

| <div>  </div> |  | <div> <div>Project/ परियोजना : Lara II ( 2X800MW)</div> <div>Package/ पैकेज : EPC PACKAGE</div> <div>Supplier/ आपूर्तिकर्ता:</div> </div> |  |  |  | <div> <div>LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL स्थायिती प्लान तथा सब-सप्लायर के अनुमोदन सहित नवी की सूची</div> <div>SUB-SYSTEM उप प्रणाली: ELECTRICAL</div> </div> |  |  |  | <div> <div>Doc No/ दस्तावेज सं:</div> <div>REVISION NO : 00</div> <div>DATE/ तिथि : 08.06.2022</div> </div> |
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| <div>  </div> |  |  |  | <div> <div>Project/परियोजना : Lana II (2x900MW)</div> <div>Package/पैकेज : EPC PACKAGE</div> <div>Supplier/आपूर्तिकर्ता:</div> </div> |  |  | <div> <div>LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL स्थापित योजना तथा सब-सप्लायर के अनुमोदन सहित मशीन की सूची</div> <div>SUB-SYSTEM उप प्रणाली: ELECTRICAL</div> </div> |  |  |  | <div> <div>Doc. No/दस्तावेज नं.:</div> <div>REVISION NO : 00</div> <div>DATE/तिथि : 08.06.2022</div> </div> |
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| <div>एन.टी.पी.सी.<br/>NTPC</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                              |                                            |                        | Project/परियोजना : Laxa II (2X800MW)<br>Package/पैकेज : EPC PACKAGE<br>Supplier/आपूर्तिकर्ता: |                                                                                                                                           |                                                        | LIST OF ITEMS REQUIRING QUALITY PLAN<br>AND SUB-SUPPLIER APPROVAL स्थापित करने<br>तथा सब-सप्लायर के अनुमोदन सहित मर्च की सूची<br>SUB-SYSTEM उप-प्रणाली: ELECTRICAL |                                                                                                         |                  | Doc. No./ दस्तावेज सं.:<br>REVISION NO : 00<br>DATE/दिनांक : 06.06.2022 |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------|--|
| S. N.<br>क्र.सं.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Item / मद                                                    | QP/ Insp.<br>Cat. स्कोरी/<br>निरी. श्रेणी. | QP No./<br>स्कोरी. सं. | QP Sub.<br>Schedule<br>स्कोरी<br>उप. अनुसूचि                                                  | Proposed sub-supplier/<br>प्रस्तावित उप आपूर्तिकर्ता                                                                                      | Place/ स्थान                                           | Sub-suppliers<br>approval<br>status/<br>category<br>उप<br>आपूर्तिकर्ता<br>के<br>अनुमोदन<br>की स्थिति<br>/श्रेणी                                                    | Sub-supplier<br>Details<br>sub sch/<br>उप<br>आपूर्तिकर्ता<br>के<br>विवरण<br>प्रस्तुतिक<br>रण की<br>सूची | Remarks/ टिप्पणी |                                                                         |  |
| 139                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Bearing Bracket Hub casting                                  | CAT I                                      |                        |                                                                                               | VAISHNOV STEEL<br>LMTG HCU                                                                                                                | MUZAFFAR NAGAR<br>Hazira                               | A<br>A                                                                                                                                                             |                                                                                                         |                  |                                                                         |  |
| 140                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Shroud support                                               | CAT I                                      |                        |                                                                                               |                                                                                                                                           |                                                        |                                                                                                                                                                    |                                                                                                         |                  |                                                                         |  |
| 141                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Blower hub Forging                                           | CAT I                                      |                        |                                                                                               | R V Casting                                                                                                                               | Fardahad                                               | A                                                                                                                                                                  | (M/C by LMTG )                                                                                          |                  |                                                                         |  |
| 142                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Bore ring Forging                                            | CAT I                                      |                        |                                                                                               | Goodluck                                                                                                                                  | Gaziabad                                               | A                                                                                                                                                                  | (M/C by LMTG )                                                                                          |                  |                                                                         |  |
| 143                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Rotor & stator blade                                         | CAT I                                      |                        |                                                                                               | CHW                                                                                                                                       | Greater noida                                          | A                                                                                                                                                                  | (M/C by LMTG )                                                                                          |                  |                                                                         |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                              |                                            |                        |                                                                                               | LMTG (for machining)<br>Star wire ( For Rotating blade<br>raw material)<br>As per NTPC approved list ( For<br>ST blade raw material also) | Hazira<br>BALLABHGARH                                  | A<br>A<br>A                                                                                                                                                        |                                                                                                         |                  |                                                                         |  |
| 144                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Center wedge & end wedge machining                           | CAT I                                      |                        |                                                                                               | Moldpro                                                                                                                                   | Valodara                                               | A                                                                                                                                                                  |                                                                                                         |                  |                                                                         |  |
| 1.CHECKS FOR STATOR CORE ASSLY, STATOR WINDING ASSEMBLY, ROTOR WINDING ASSLY(GEN.), GENERATOR ROTOR-FINAL, BEARING ASSEMBLY/SHAFT SEAL ASSEMBLY, EXCITER ASSLY (MAIN & PILOT)/SLIP RING SHAFT ASSEMBLY WITH BRUSH GEARS, EXCITER TEST RUN, GENERATOR ASSEMBLY AT WORKS INCLUDING TERMINAL BUSHING & GENERATOR WORKS RUN TEST SHALL BE FINALIZED DURING DETAILED ENGINEERING/MQP FINALIZATION FOR THE RESPECTIVE OEMs.<br>2. For Raw Material/Components/Items of Generator which are not appearing in the above list, their OEM approved sources shall be tied up during Detailed Engineering/MQP finalization. |                                                              |                                            |                        |                                                                                               |                                                                                                                                           |                                                        |                                                                                                                                                                    |                                                                                                         |                  |                                                                         |  |
| C- MAJOR COMPONENTS FOR GE MAKE GENERATOR (AS PER OEM SPECIFIC DESIGN):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                              |                                            |                        |                                                                                               |                                                                                                                                           |                                                        |                                                                                                                                                                    |                                                                                                         |                  |                                                                         |  |
| 145                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Stator Frame with manhole cover<br>(Fabrication & Machining) | CAT I                                      |                        |                                                                                               |                                                                                                                                           |                                                        |                                                                                                                                                                    |                                                                                                         |                  |                                                                         |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                              |                                            |                        |                                                                                               | ALSTOM Power Sp. z o.o.<br>Alstom Bharat Forge Power<br>Limited<br>ISGEC                                                                  | Poland<br>Sanand<br>YAMUNA NAGAR                       | A<br>A<br>A                                                                                                                                                        |                                                                                                         |                  |                                                                         |  |
| 146                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Key Bar (Fabrication & Machining)                            | CAT I                                      |                        |                                                                                               | Bright Steel<br>Jordan Matcon<br>ALSTOM Power Sp. z o.o<br>Somel<br>Empaz<br>Shiv Engineering                                             | UK<br>Poland<br>Poland<br>Poland<br>Poland<br>valodara | A<br>A<br>A<br>A<br>A<br>A                                                                                                                                         |                                                                                                         |                  |                                                                         |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                              | I                                          |                        |                                                                                               | Alstom Bharat Forgs Power Limited                                                                                                         | Sanand                                                 | A                                                                                                                                                                  |                                                                                                         |                  | Only M/c<br>Only M/c<br>Only M/c                                        |  |



| <div><div><div><div></div></div></div><div>एनटीपीसी</div><div>NTPC</div></div> |                                                 |                                      | Project/परियोजना : Lara II (2x800MW) |                                          |                                                      | LIST OF ITEMS REQUIRING QUALITY PLAN        |                                                                            |                                                                             | Doc No/ दस्तावेज नं.:  |  |  |
|--------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------------|--------------------------------------|------------------------------------------|------------------------------------------------------|---------------------------------------------|----------------------------------------------------------------------------|-----------------------------------------------------------------------------|------------------------|--|--|
| S. N.<br>क्र.सं                                                                |                                                 |                                      | Package/पैकेज : EPC PACKAGE          |                                          |                                                      | AND SUB-SUPPLIER APPROVAL. क्वालिटी प्लान   |                                                                            |                                                                             | REVISION NO : 00       |  |  |
|                                                                                |                                                 |                                      | Supplier/आपूर्तिकर्ता:               |                                          |                                                      | तथा सब -सप्लायर के अनुमोदन सहित मदी की सूची |                                                                            |                                                                             | DATE/दिनि : 08.06.2022 |  |  |
|                                                                                |                                                 |                                      | Contract No/ अनुबंध नं.:             |                                          |                                                      | SUB-SYSTEM उप-प्रणाली: ELECTRICAL           |                                                                            |                                                                             |                        |  |  |
|                                                                                | Item / मद                                       | Q/ Insp.<br>Cat. कृपा/ निरी. श्रेणी. | Q/ No./<br>कृपा. सं.                 | Q/ Sub.<br>Schedule<br>कृपा. उप. अनुसूचि | Proposed sub-supplier/<br>प्रस्तावित उप आपूर्तिकर्ता | Place/ स्थान                                | Sub-supplier approval status/ उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी | Sub-supplier Details sub sch/ उप आपूर्तिकर्ता के विवरण प्रस्तुती रण की सूची | Remarks/ टिप्पणी       |  |  |
| 147                                                                            | Dovetail for Stator (Aluminium key profile)     | CAT II                               |                                      |                                          |                                                      | Sapa Profiles Kft.                          | Hungary                                                                    | A                                                                           |                        |  |  |
|                                                                                |                                                 |                                      |                                      |                                          |                                                      | ALSTOM Power Sp. z o.o.                     | Poland                                                                     | A                                                                           |                        |  |  |
|                                                                                |                                                 |                                      |                                      |                                          |                                                      | Somet                                       | Poland                                                                     | A                                                                           |                        |  |  |
| 148                                                                            | End Pressure Plate (Laminated Press plate)      | CAT II                               |                                      |                                          |                                                      |                                             |                                                                            |                                                                             |                        |  |  |
|                                                                                |                                                 |                                      |                                      |                                          |                                                      | ALSTOM Power Sp. z o.o.                     | Poland                                                                     | A                                                                           |                        |  |  |
|                                                                                |                                                 |                                      |                                      |                                          |                                                      | Generpro                                    | Sweden                                                                     | A                                                                           |                        |  |  |
| 149                                                                            | Stator Core Punching                            | CAT II                               |                                      |                                          |                                                      |                                             |                                                                            | A                                                                           |                        |  |  |
|                                                                                |                                                 |                                      |                                      |                                          |                                                      | ALSTOM                                      | France                                                                     | A                                                                           |                        |  |  |
|                                                                                |                                                 |                                      |                                      |                                          |                                                      | ALSTOM Power Sp. z o.o.                     | Poland                                                                     | A                                                                           |                        |  |  |
|                                                                                |                                                 |                                      |                                      |                                          |                                                      | Donako                                      | Poland                                                                     | A                                                                           |                        |  |  |
|                                                                                |                                                 |                                      |                                      |                                          |                                                      | Pitti Laminations                           | Hyderabad                                                                  | A                                                                           |                        |  |  |
|                                                                                |                                                 |                                      |                                      |                                          |                                                      | BHEL                                        | Jagdishpur                                                                 | A                                                                           |                        |  |  |
| 150                                                                            | Core Tension Bolt for Stator                    | I                                    |                                      |                                          |                                                      | Starwire                                    | Balabigarh                                                                 | A                                                                           |                        |  |  |
|                                                                                |                                                 | II                                   |                                      |                                          |                                                      | Boehler Ybbstal Profil                      | Austria                                                                    | A                                                                           |                        |  |  |
|                                                                                |                                                 | II                                   |                                      |                                          |                                                      | Energetechnik Essen                         | Germany                                                                    | A                                                                           |                        |  |  |
|                                                                                |                                                 | II                                   |                                      |                                          |                                                      | Empaz                                       | Poland                                                                     | A                                                                           |                        |  |  |
|                                                                                |                                                 | I                                    |                                      |                                          |                                                      | Kalyani carpenter                           | Pune                                                                       | A                                                                           |                        |  |  |
| 151                                                                            | Insulation of Core Tension Bolt for Stator      | CAT II                               |                                      |                                          |                                                      |                                             |                                                                            |                                                                             |                        |  |  |
|                                                                                |                                                 |                                      |                                      |                                          |                                                      | Empaz                                       | Poland                                                                     | A                                                                           |                        |  |  |
|                                                                                |                                                 |                                      |                                      |                                          |                                                      | ALSTOM Power Sp. z o.o.                     | Poland                                                                     | A                                                                           |                        |  |  |
| 152                                                                            | Solid Copper Conductor for Stator Bar           | CAT I                                |                                      |                                          |                                                      |                                             |                                                                            |                                                                             |                        |  |  |
|                                                                                |                                                 |                                      |                                      |                                          |                                                      | VonRoll                                     | Switzerland                                                                | A                                                                           |                        |  |  |
|                                                                                |                                                 |                                      |                                      |                                          |                                                      | Pearl                                       | Bangalore                                                                  | A                                                                           |                        |  |  |
|                                                                                |                                                 |                                      |                                      |                                          |                                                      | Cosmos                                      | Bangalore                                                                  | A                                                                           |                        |  |  |
|                                                                                |                                                 |                                      |                                      |                                          |                                                      | Mahindra                                    | Bangalore                                                                  | A                                                                           |                        |  |  |
|                                                                                |                                                 |                                      |                                      |                                          |                                                      | Geaber & Greutler                           | Austria                                                                    | A                                                                           |                        |  |  |
| 153                                                                            | Hollow Stainless Steel Conductor for Stator bar | CAT II                               |                                      |                                          |                                                      |                                             |                                                                            |                                                                             |                        |  |  |
|                                                                                |                                                 |                                      |                                      |                                          |                                                      | Fine Tubes                                  | UK                                                                         | A                                                                           |                        |  |  |
|                                                                                |                                                 |                                      |                                      |                                          |                                                      | Fischer                                     | Austria                                                                    | A                                                                           |                        |  |  |
| 154                                                                            | Stator Bars                                     | CAT I                                |                                      |                                          |                                                      |                                             |                                                                            |                                                                             |                        |  |  |
|                                                                                |                                                 |                                      |                                      |                                          |                                                      | ALSTOM Power Sp. z o.o.                     | Poland                                                                     | A                                                                           |                        |  |  |
| 155                                                                            | Tubes for Connection Bus Bar                    | CAT II                               |                                      |                                          |                                                      |                                             |                                                                            |                                                                             |                        |  |  |
|                                                                                |                                                 |                                      |                                      |                                          |                                                      | KME                                         | Germany                                                                    | A                                                                           |                        |  |  |
|                                                                                |                                                 |                                      |                                      |                                          |                                                      | Luvata Pori                                 | Finland                                                                    | A                                                                           |                        |  |  |
|                                                                                |                                                 |                                      |                                      |                                          |                                                      | Multimetal                                  | Jamagar                                                                    | A                                                                           |                        |  |  |

| <div><div>एनडीपीसी</div><div>NTPC</div></div> |                                                  |                                           | Project/परियोजना : Lara II ( 2X800MW) |                                         |                                                   |              | LIST OF ITEMS REQUIRING QUALITY PLAN                                        |                                                                             |                  |  | Doc. No/ दस्तावेज सं.:<br>REVISION NO : 00<br>DATE/ तिथि : 08.06.2022 |  |
|-----------------------------------------------|--------------------------------------------------|-------------------------------------------|---------------------------------------|-----------------------------------------|---------------------------------------------------|--------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------|------------------|--|-----------------------------------------------------------------------|--|
|                                               |                                                  |                                           | Package/ पैकेज : EPC PACKAGE          |                                         |                                                   |              | AND SUB-SUPPLIER APPROVAL                                                   |                                                                             |                  |  |                                                                       |  |
|                                               |                                                  |                                           | Supplier/ आपूर्तिकर्ता:               |                                         |                                                   |              | तथा सब -सप्लायर के अनुमोदन सहित मदी की सूची                                 |                                                                             |                  |  |                                                                       |  |
|                                               |                                                  |                                           | Contract No./ अनुबंध सं.:             |                                         |                                                   |              | SUB-SYSTEM उप-प्रणाली: ELECTRICAL                                           |                                                                             |                  |  |                                                                       |  |
| S. No.<br>क्र.सं                              | Item / मद                                        | QP/ Insp. Cat. क्रेडेंसियल/ निरी. श्रेणी. | QP No./ क्रेडेंसियल सं.               | QP Sub. Schedule क्रेडेंसियल उप-अनुसूचि | Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता | Place/ स्थान | Sub-suppliers approval status/ उप-आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी | Sub-supplier Details sub sch/ उप-आपूर्तिकर्ता के विवरण प्रस्तुत की गयी सूची | Remarks/ टिप्पणी |  |                                                                       |  |
| 156                                           | Connection Bus Bar (Phase Connector)             | CAT II                                    |                                       |                                         | PPU Woltera                                       | Poland       | A                                                                           |                                                                             |                  |  |                                                                       |  |
| 157                                           | Insulating Hoses for Siator (Water Supply Hoses) | CAT II                                    |                                       |                                         | ALSTOM Power Sp. z o.o.                           | Poland       | A                                                                           |                                                                             |                  |  |                                                                       |  |
|                                               |                                                  |                                           |                                       |                                         | Dr. Schnabel                                      | Germany      | A                                                                           |                                                                             |                  |  |                                                                       |  |
|                                               |                                                  |                                           |                                       |                                         | Siemens                                           | Germany      | A                                                                           |                                                                             |                  |  |                                                                       |  |
|                                               |                                                  |                                           |                                       |                                         | Crane Resistoflex                                 | USA          | A                                                                           |                                                                             |                  |  |                                                                       |  |
| 158                                           | Winding Head Support Ring                        | CAT II                                    |                                       |                                         | Röchling Pernali                                  | Germany      | A                                                                           |                                                                             |                  |  |                                                                       |  |
|                                               |                                                  |                                           |                                       |                                         | Konpozity                                         | Poland       | A                                                                           |                                                                             |                  |  |                                                                       |  |
|                                               |                                                  |                                           |                                       |                                         | PCT                                               | USA          | A                                                                           |                                                                             |                  |  |                                                                       |  |
|                                               |                                                  |                                           |                                       |                                         | Siemens                                           | Germany      | A                                                                           |                                                                             |                  |  |                                                                       |  |
|                                               |                                                  |                                           |                                       |                                         | Texplas                                           | Haridwar     | A                                                                           |                                                                             |                  |  |                                                                       |  |
| 159                                           | Spring for Winding Head Assembly (Console)       |                                           |                                       |                                         |                                                   |              |                                                                             |                                                                             |                  |  |                                                                       |  |
|                                               |                                                  | CAT II                                    |                                       |                                         | Wolfensberger                                     | Switzerland  | A                                                                           |                                                                             |                  |  |                                                                       |  |
|                                               |                                                  | CAT I                                     |                                       |                                         | R V Engg.                                         | Ballabgarh   | A                                                                           |                                                                             |                  |  |                                                                       |  |
| 160                                           | Generator Shaft Forging                          | CAT II                                    |                                       |                                         |                                                   |              |                                                                             |                                                                             |                  |  |                                                                       |  |
|                                               |                                                  |                                           |                                       |                                         | Saarschmiede                                      | Germany      | A                                                                           |                                                                             |                  |  |                                                                       |  |
|                                               |                                                  |                                           |                                       |                                         | Buderus                                           | Germany      | A                                                                           |                                                                             |                  |  |                                                                       |  |
|                                               |                                                  |                                           |                                       |                                         | JSW                                               | Japan        | A                                                                           |                                                                             |                  |  |                                                                       |  |
|                                               |                                                  |                                           |                                       |                                         | JCTC                                              | Japan        | A                                                                           |                                                                             |                  |  |                                                                       |  |
|                                               |                                                  |                                           |                                       |                                         | Sdf Temi                                          | Italy        | A                                                                           |                                                                             |                  |  |                                                                       |  |
|                                               |                                                  |                                           |                                       |                                         | SUMITOMO                                          | JAPAN        | A                                                                           |                                                                             |                  |  |                                                                       |  |
|                                               |                                                  |                                           |                                       |                                         | FORGEMASTER                                       | UK           | A                                                                           |                                                                             |                  |  |                                                                       |  |
|                                               |                                                  |                                           |                                       |                                         | OMZ                                               | RUSSIA       | A                                                                           |                                                                             |                  |  |                                                                       |  |
| 161                                           | Generator Shaft Machining                        | CAT I                                     |                                       |                                         | Alstom (Switzerland) Ltd.                         | Switzerland  | A                                                                           |                                                                             |                  |  |                                                                       |  |
|                                               |                                                  |                                           |                                       |                                         | Alstom Bharat Forge Power Limited                 | Sanand       | A                                                                           |                                                                             |                  |  |                                                                       |  |
| 162                                           | Centering Ring Forging                           | CAT II                                    |                                       |                                         |                                                   |              |                                                                             |                                                                             |                  |  |                                                                       |  |
|                                               |                                                  |                                           |                                       |                                         | Bharat Forge                                      | Pune         | A                                                                           |                                                                             |                  |  |                                                                       |  |
|                                               |                                                  |                                           |                                       |                                         | Schmiedewerk Stoss                                | Switzerland  | A                                                                           |                                                                             |                  |  |                                                                       |  |
|                                               |                                                  |                                           |                                       |                                         | FORGITAL SPA VELO D                               | Italy        | A                                                                           |                                                                             |                  |  |                                                                       |  |
|                                               |                                                  |                                           |                                       |                                         | ASTICO LOCALITA                                   |              |                                                                             |                                                                             |                  |  |                                                                       |  |
|                                               |                                                  |                                           |                                       |                                         | Bay Forge                                         | Chennai      | A                                                                           |                                                                             |                  |  |                                                                       |  |
| 163                                           | Centering Ring Machining                         | CAT II                                    |                                       |                                         |                                                   |              |                                                                             |                                                                             |                  |  |                                                                       |  |
|                                               |                                                  |                                           |                                       |                                         | Alstom (Switzerland) Ltd.                         | Switzerland  | A                                                                           |                                                                             |                  |  |                                                                       |  |
|                                               |                                                  |                                           |                                       |                                         | <b>Bharat Forge Limited</b>                       | Satara       | A                                                                           |                                                                             |                  |  |                                                                       |  |

| <div>  </div> |  | <div> <div>Project/ परियोजना : Lax II ( 2X800MW)</div> <div>Package/ पैकेज : EPC PACKAGE</div> <div>Supplier/ आपूर्तिकर्ता:</div> <div>Contract No./ अनुबंध सं.</div> </div> |  |  |  | <div> <div>LIST OF ITEMS REQUIRING QUALITY PLAN</div> <div>AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान</div> <div>तथा सब -सप्लायर के अनुमोदन सहित मशीन की सूची</div> <div>SUB-SYSTEM उप-प्रणाली: ELECTRICAL</div> </div> |  |  |  | <div> <div>Doc No/ दस्तावेज सं.</div> <div>REVISION NO : 00</div> <div>DATE/ तिथि : 08.06.2022</div> </div> |
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| <div><div><div>एन.टी.पी.सी.<br/>NTPC</div></div><div>Project/परियोजना: Laxa II ( 2X800MW)<br/>Package/पैकेज : EPC PACKAGE<br/>Supplier/आपूर्तिकर्ता:</div></div> |                                |                                           |                      | <div><div>LIST OF ITEMS REQUIRING QUALITY PLAN<br/>AND SUB-SUPPLIER APPROVAL स्वालिटी प्लान<br/>तथा सब -सप्लायर के अनुमोदन सहित मती की सूची<br/>SUB-SYSTEM उप-प्रणाली: ELECTRICAL</div></div> |                                                      |                                           |                                                                                                                | <div><div>Doc. No/ दस्तावेज नं.:</div><div>REVISION NO : 00</div><div>DATE/तिथि : 08.06.2022</div></div> |  | <div>Remarks/ टिप्पणी</div> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|--|-----------------------------|
| S. N.<br>क्र.सं                                                                                                                                                  | Item / मद्                     | QP/ Insp.<br>Cat. कृपा./<br>निरी. श्रेणी. | QP No./<br>कृपा. सं. | QP Sub.<br>Schedule<br>कृपा.<br>उप अनुसूचि                                                                                                                                                    | Proposed sub-supplier/<br>प्रस्तावित उप आपूर्तिकर्ता | Place/ स्थान                              | Sub-supplier<br>approval<br>status/<br>sub sch/<br>उप<br>आपूर्तिकर्ता<br>के<br>अनुमोदन<br>की स्थिति<br>/श्रेणी | Sub-supplier<br>Details<br>sub sch/<br>उप<br>आपूर्तिकर्ता<br>के<br>विवरण<br>प्रस्तुतीक<br>रण की<br>सूची  |  |                             |
| 174                                                                                                                                                              | Terminal Box Fabrication       | CAT II                                    |                      |                                                                                                                                                                                               |                                                      | ALSTOM Power Sp. z o.o.                   | Poland                                                                                                         | A                                                                                                        |  |                             |
|                                                                                                                                                                  |                                |                                           |                      |                                                                                                                                                                                               |                                                      | ISGEC                                     | Yamunanagr                                                                                                     | A                                                                                                        |  |                             |
|                                                                                                                                                                  |                                |                                           |                      |                                                                                                                                                                                               |                                                      | Shape Engg                                | Haridwar                                                                                                       | A                                                                                                        |  |                             |
| 174.1                                                                                                                                                            | Terminal Box Machining         | CAT II                                    |                      |                                                                                                                                                                                               |                                                      | ALSTOM Power Sp. z o.o.                   | Poland                                                                                                         | A                                                                                                        |  |                             |
|                                                                                                                                                                  |                                |                                           |                      |                                                                                                                                                                                               |                                                      | Energy machines                           | Ahmedabad                                                                                                      | A                                                                                                        |  |                             |
| 175                                                                                                                                                              | End Shield Fabrication         | CAT I                                     |                      |                                                                                                                                                                                               |                                                      | ALSTOM Power Sp. z o.o.                   | Poland                                                                                                         | A                                                                                                        |  |                             |
|                                                                                                                                                                  |                                |                                           |                      |                                                                                                                                                                                               |                                                      | Shape Engg                                | Haridwar                                                                                                       | A                                                                                                        |  |                             |
|                                                                                                                                                                  |                                |                                           |                      |                                                                                                                                                                                               |                                                      | ISGEC                                     | Yamunanagr                                                                                                     | A                                                                                                        |  |                             |
| 175.1                                                                                                                                                            | End Shield Machining           | CAT I                                     |                      |                                                                                                                                                                                               |                                                      | ALSTOM Power Sp. z o.o.                   | Poland                                                                                                         | A                                                                                                        |  |                             |
|                                                                                                                                                                  |                                |                                           |                      |                                                                                                                                                                                               |                                                      | ISGEC                                     | Yamunanagr                                                                                                     | A                                                                                                        |  |                             |
|                                                                                                                                                                  |                                |                                           |                      |                                                                                                                                                                                               |                                                      | Energy Machines                           | Ahmedabad                                                                                                      | A                                                                                                        |  |                             |
| 176                                                                                                                                                              | Seal Assembly (Ring & Housing) | CAT II                                    |                      |                                                                                                                                                                                               |                                                      | ALSTOM Power Sp. z o.o.                   | Poland                                                                                                         | A                                                                                                        |  |                             |
| 177                                                                                                                                                              | Stator water cooler            | CAT I                                     |                      |                                                                                                                                                                                               |                                                      | Alpha Laval                               | Sweden                                                                                                         | A                                                                                                        |  |                             |
|                                                                                                                                                                  |                                |                                           |                      |                                                                                                                                                                                               |                                                      | GEA                                       | Germany                                                                                                        | A                                                                                                        |  |                             |
|                                                                                                                                                                  |                                |                                           |                      |                                                                                                                                                                                               |                                                      | TRANTRER                                  | Pune                                                                                                           | A                                                                                                        |  |                             |
|                                                                                                                                                                  |                                |                                           |                      |                                                                                                                                                                                               |                                                      | IDMC Ltd                                  | Anand                                                                                                          | A                                                                                                        |  |                             |
| 178                                                                                                                                                              | Stator water cooling unit      | CAT II                                    |                      |                                                                                                                                                                                               |                                                      | Rockfin                                   | Poland                                                                                                         | A                                                                                                        |  |                             |
| 179                                                                                                                                                              | Stator water cooling pump      | CAT II                                    |                      |                                                                                                                                                                                               |                                                      | ALWELLER                                  | GERMANY                                                                                                        | A                                                                                                        |  |                             |
|                                                                                                                                                                  |                                |                                           |                      |                                                                                                                                                                                               |                                                      | KSB                                       | Pune                                                                                                           | A                                                                                                        |  |                             |
|                                                                                                                                                                  |                                |                                           |                      |                                                                                                                                                                                               |                                                      | Ebera                                     | Japan                                                                                                          | A                                                                                                        |  |                             |
|                                                                                                                                                                  |                                |                                           |                      |                                                                                                                                                                                               |                                                      | SULZER                                    | Navi Mumbai                                                                                                    | A                                                                                                        |  |                             |
| 180                                                                                                                                                              | Slip Ring Shaft Forging        | CAT II                                    |                      |                                                                                                                                                                                               |                                                      | See Generator Forging Suppliers           |                                                                                                                |                                                                                                          |  |                             |
|                                                                                                                                                                  |                                |                                           |                      |                                                                                                                                                                                               |                                                      | Bharat forge                              | Pune                                                                                                           | A                                                                                                        |  |                             |
|                                                                                                                                                                  |                                |                                           |                      |                                                                                                                                                                                               |                                                      | BAY FORCE                                 | Chennai                                                                                                        | A                                                                                                        |  |                             |
| 180.1                                                                                                                                                            | Slip Ring Shaft Machining      | CAT II                                    |                      |                                                                                                                                                                                               |                                                      | Alstom (Switzerland) Ltd.                 | Switzerland                                                                                                    | A                                                                                                        |  |                             |
|                                                                                                                                                                  |                                |                                           |                      |                                                                                                                                                                                               |                                                      | Euroflex Transmission(india)<br>pvt. Ltd. | Hydrabad                                                                                                       | A                                                                                                        |  |                             |

| <div>  </div> |  |  |  | <div> <div>Project/परियोजना : Lara II (2X800MW)</div> <div>Package/पैकेज : EPC PACKAGE</div> <div>Supplier/आपूर्तिकर्ता:</div> <div>Contract No./ अनुबंध सं.</div> </div> |  |  |  | <div> <div>LIST OF ITEMS REQUIRING QUALITY PLAN</div> <div>AND SUB-SUPPLIER APPROVAL. क्वालिटी प्लान</div> <div>तथा सब-सप्लायर के अनुमोदन सहित मही की सूची</div> <div>SUB-SYSTEM उप-प्रणाली: ELECTRICAL</div> </div> |  |  |  | <div> <div>Doc. No./ दस्तावेज सं.</div> <div>REVISION NO : 00</div> <div>DATE/ तिथि : 08.06.2022</div> </div> |
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| <div>एनटीपीसी<br/>NTPC</div> |          | Project/परियोजना : Lax II ( 2X800MW)<br>Package/पैकेज : EPC PACKAGE<br>Supplier/आपूर्तिकर्ता: |                      |                                        |                                                      | LIST OF ITEMS REQUIRING QUALITY PLAN<br>AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान<br>तथा सब -वेयर के अनुमोदन सहित मर्च की सूची<br>SUB-SYSTEM उप-प्रणाली: ELECTRICAL |                                                                                                        |                                                                                            |                  | Doc. No./ दस्तावेज सं.:<br>REVISION NO : 00<br>DATE/ तिथि : 06.06.2022 |   |
|                              |          | Contract No./ अनुबंध सं.:                                                                     |                      |                                        |                                                      |                                                                                                                                                                    |                                                                                                        |                                                                                            |                  |                                                                        |   |
| S. N.<br>क्र.सं.             | Item/ मद | QI/ Insp.<br>Cat. कृपा/ निरी. श्रेणी.                                                         | QP No./<br>कृपा. सं. | QP Sub.<br>Schedule<br>कृपा उप.अनुसूचि | Proposed sub-supplier/<br>प्रस्तावित उप आपूर्तिकर्ता | Place/ स्थान                                                                                                                                                       | Sub-suppliers<br>approval<br>status/<br>category<br>उप आपूर्तिकर्ता के<br>अनुमोदन की स्थिति<br>/श्रेणी | Sub-supplier<br>Details<br>sub sch/<br>उप आपूर्तिकर्ता के<br>विवरण<br>प्रस्तुतिकरण की सूची | Remarks/ टिप्पणी |                                                                        |   |
|                              |          | CAT I                                                                                         |                      |                                        | JSW                                                  |                                                                                                                                                                    |                                                                                                        |                                                                                            |                  | BELLARY                                                                | A |
|                              |          | CAT II                                                                                        |                      |                                        | IFE                                                  | Japan                                                                                                                                                              | A                                                                                                      |                                                                                            |                  |                                                                        |   |

| <div>  </div> |  |  |  | <div> <div>Project/परियोजना : Lara II (2X800MW)</div> <div>Package/पैकेज : EPC PACKAGE</div> <div>Supplier/आपूर्तिकर्ता:</div> <div>Contract No./ अनुबंध सं:</div> </div> |  |  |  | <div> <div>LIST OF ITEMS REQUIRING QUALITY PLAN</div> <div>AND SUB-SUPPLIER APPROVAL. क्वालिटी प्लान</div> <div>तथा सब-सप्लायर के अनुमोदन सहित मूल की सूची</div> <div>SUB-SYSTEM उप-प्रणाली: ELECTRICAL</div> </div> |  |  |  | <div> <div>Doc. No./ दस्तावेज सं:</div> <div>REVISION NO : 00</div> <div>DATE/ तिथि : 08.06.2022</div> </div> |
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| <div><div><div></div></div><div><div>NTPC</div></div></div> |  | Project/परियोजना : Lara II ( 2X800MW) |                                             |                         |                                               | LIST OF ITEMS REQUIRING QUALITY PLAN                 |              |                                                                                                                  |                                                                 | Doc. No./ दस्तावेज सं.: |  |
|                                                             |  | Package/पैकेज : EPC PACKAGE           |                                             |                         |                                               | AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान             |              |                                                                                                                  |                                                                 |                         |  |
|                                                             |  | Supplier/ आपूर्तिकर्ता:               |                                             |                         |                                               | तथा सब -वेडर के अनुमोदन सहित मर्दों की सूची          |              |                                                                                                                  |                                                                 | REVISION NO : 00        |  |
|                                                             |  | Contract No./ अनुबंध सं.:             |                                             |                         |                                               | SUB-SYSTEM उप-प्रणाली: ELECTRICAL                    |              |                                                                                                                  |                                                                 |                         |  |
| S. N.<br>क्र.सं                                             |  | Item/ मर्द                            | QP/ Insp.<br>Ckt क्यू.पी./<br>निरी. श्रेणी. | QP No./<br>क्यू.पी. सं. | QP Sub.<br>Schedule<br>क्यू.पी.<br>उप.अनुसूचि | Proposed sub-supplier/<br>प्रस्तावित उप आपूर्तिकर्ता | Place/ स्थान | Sub-supplier<br>approval<br>status/<br>category उप<br>आपूर्तिकर्ता<br>के<br>विवरण<br>प्रस्तुतिक<br>रण की<br>सूची | Sub-supplier<br>Details<br>sub sch/<br>उप<br>आपूर्तिक<br>तां के | Remarks/ टिप्पणी        |  |
|                                                             |  |                                       |                                             |                         |                                               |                                                      | CHENNAI      | A                                                                                                                |                                                                 |                         |  |
|                                                             |  |                                       |                                             |                         |                                               | Sharp Engineering,<br>N.S Engg.                      | Pune         | A                                                                                                                |                                                                 |                         |  |
|                                                             |  |                                       |                                             |                         |                                               |                                                      | Hyderabad    | A                                                                                                                |                                                                 |                         |  |

| <div><div><div><div><div></div></div></div><div><div><div>एन.टी.पी.सी</div><div>NTPC</div></div></div></div><div>Project/ परियोजना : Lara II ( 2X800MW)<br/>Package/ पैकेज : EPC PACKAGE<br/>Supplier/ आपूर्तिकर्ता:<br/>Contract No./ अनुबंध सं.:</div></div> |                                                  |                                             |                         |                                               |                                                      |              |                                                                                                                 |                                                                                                          |                  | LIST OF ITEMS REQUIRING QUALITY PLAN<br>AND SUB-SUPPLIER APPROVAL. क्वालिटी प्लान<br>तथा सब-सप्लायर के अनुमोदन सहित गवर्नर की सूची<br>SUB-SYSTEM उप-प्रणाली: ELECTRICAL |  |  |  |  |  |  |  |  |  | Doc. No./ दस्तावेज सं. :<br>REVISION NO : 00<br>DATE/ तिथि : 08.06.2022 |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------------|-------------------------|-----------------------------------------------|------------------------------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-------------------------------------------------------------------------|--|
| S. N.<br>क्र.सं                                                                                                                                                                                                                                                | Item/ मद                                         | QI/ Insp.<br>Cat. क्यू.आई/<br>निरी. श्रेणी. | QI No./<br>क्यू.आई. सं. | QI Sub.<br>Schedule<br>क्यू.आई.<br>उप.अनुसूचि | Proposed sub-supplier/<br>प्रस्तावित उप आपूर्तिकर्ता | Place/ स्थान | Sub-suppliers<br>approval<br>status/<br>category<br>उप<br>आपूर्तिकर्ता<br>के<br>अनुमोदन<br>की स्थिति<br>/श्रेणी | Sub-supplier<br>Details<br>sub sch/<br>उप<br>आपूर्तिक<br>र्ता के<br>विवरण<br>प्रस्तुतिक<br>रण की<br>सूची | Remarks/ टिप्पणी |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
| 200                                                                                                                                                                                                                                                            | STATOR CORE PUNCHING                             | I                                           |                         |                                               | TIPS                                                 | CHENNAI      | A                                                                                                               |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
|                                                                                                                                                                                                                                                                |                                                  | II                                          |                         |                                               | TOSHIBA                                              | JAPAN        | A                                                                                                               |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
| 201                                                                                                                                                                                                                                                            | TERMINAL BOX FABRICATION& MACHINING              |                                             |                         |                                               |                                                      |              |                                                                                                                 |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
|                                                                                                                                                                                                                                                                |                                                  | II                                          |                         |                                               | TOSHIBA                                              | JAPAN        | A                                                                                                               |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
|                                                                                                                                                                                                                                                                |                                                  | I                                           |                         |                                               | TIPS                                                 | CHENNAI      | A                                                                                                               |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
|                                                                                                                                                                                                                                                                |                                                  | I                                           |                         |                                               | Leo Prime                                            | Chennai      | A                                                                                                               |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
| 202                                                                                                                                                                                                                                                            | OVER HANG SUPPORT RING                           | CAT II                                      |                         |                                               |                                                      |              |                                                                                                                 |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
|                                                                                                                                                                                                                                                                |                                                  |                                             |                         |                                               | HITACHI CHEMICAL                                     | JAPAN        | A                                                                                                               |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
| 203                                                                                                                                                                                                                                                            | SOLID COPPER CONDUCTOR (FOR STATOR BAR)          | CAT II                                      |                         |                                               |                                                      |              |                                                                                                                 |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
|                                                                                                                                                                                                                                                                |                                                  |                                             |                         |                                               | UNIMAC                                               | JAPAN        | A                                                                                                               |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
| 204                                                                                                                                                                                                                                                            | HOLLOW COPPER CONDUCTOR (FOR STATOR BAR)         | CAT II                                      |                         |                                               |                                                      |              |                                                                                                                 |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
|                                                                                                                                                                                                                                                                |                                                  |                                             |                         |                                               | UNIMAC                                               | JAPAN        | A                                                                                                               |                                                                                                          |                  | HOLLOW CONDUCTOR (RAW MATERIAL FROM FURUKAWA-JAPAN)                                                                                                                     |  |  |  |  |  |  |  |  |  |                                                                         |  |
| 205                                                                                                                                                                                                                                                            | TERMINAL BUSHING (CONDENSER TYPE)                | CAT II                                      |                         |                                               |                                                      |              |                                                                                                                 |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
|                                                                                                                                                                                                                                                                |                                                  |                                             |                         |                                               | PASSONI & VILLA                                      | ITALY        | A                                                                                                               |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
|                                                                                                                                                                                                                                                                |                                                  |                                             |                         |                                               | Trench                                               | Switzerland  | A                                                                                                               |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
|                                                                                                                                                                                                                                                                |                                                  |                                             |                         |                                               | Toshiba                                              | Japan        | A                                                                                                               |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
| 206                                                                                                                                                                                                                                                            | CONNECTING BUS BAR (PHASE BELTS ) FABRICATION    | CAT II                                      |                         |                                               |                                                      |              |                                                                                                                 |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
|                                                                                                                                                                                                                                                                |                                                  |                                             |                         |                                               | SUMIKI COPPER                                        | JAPAN        | A                                                                                                               |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
|                                                                                                                                                                                                                                                                |                                                  |                                             |                         |                                               | Oriental Copper                                      | Thailand     | A                                                                                                               |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
|                                                                                                                                                                                                                                                                |                                                  |                                             |                         |                                               | Hitachi Cable                                        | JAPAN        | A                                                                                                               |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
| 207                                                                                                                                                                                                                                                            | INSULATING HOSES FOR STATOR (WATER SUPPLY HOSES) | CAT II                                      |                         |                                               |                                                      |              |                                                                                                                 |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
|                                                                                                                                                                                                                                                                |                                                  |                                             |                         |                                               | SAKURA RUBBER                                        | JAPAN        | A                                                                                                               |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
|                                                                                                                                                                                                                                                                |                                                  |                                             |                         |                                               | CRANE RESISTOFLEX                                    | USA          | A                                                                                                               |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
|                                                                                                                                                                                                                                                                |                                                  |                                             |                         |                                               | MIL                                                  | Chennai      | A                                                                                                               |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
| 208                                                                                                                                                                                                                                                            | GENERATOR SHAFT FORGING                          | CAT II                                      |                         |                                               |                                                      |              |                                                                                                                 |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
|                                                                                                                                                                                                                                                                |                                                  |                                             |                         |                                               | SAASCHMIEDE                                          | GERMANY      | A                                                                                                               |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
|                                                                                                                                                                                                                                                                |                                                  |                                             |                         |                                               | SDF ITALY                                            | ITALY        | A                                                                                                               |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
|                                                                                                                                                                                                                                                                |                                                  |                                             |                         |                                               | JCFE                                                 | JAPAN        | A                                                                                                               |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
|                                                                                                                                                                                                                                                                |                                                  |                                             |                         |                                               | JSW                                                  | JAPAN        | A                                                                                                               |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
|                                                                                                                                                                                                                                                                |                                                  |                                             |                         |                                               | BUDERUS EDSTAHL                                      | GERMANY      | A                                                                                                               |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
|                                                                                                                                                                                                                                                                |                                                  |                                             |                         |                                               | Dussan                                               | Korea        | A                                                                                                               |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
| 208.1                                                                                                                                                                                                                                                          | GENERATOR SHAFT MACHINING                        | CAT I                                       |                         |                                               |                                                      |              |                                                                                                                 |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
|                                                                                                                                                                                                                                                                |                                                  |                                             |                         |                                               | TOSHIBA                                              | JAPAN        | A                                                                                                               |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
|                                                                                                                                                                                                                                                                |                                                  |                                             |                         |                                               | TIPS                                                 | CHENNAI      | A                                                                                                               |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |
| 209                                                                                                                                                                                                                                                            | ETS MATERIAL                                     | CAT II                                      |                         |                                               |                                                      |              |                                                                                                                 |                                                                                                          |                  |                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                         |  |

| <div>  </div> |  | <div> <div>Project/परियोजना : Lara II (2X900MW)</div> <div>Package/पैकेज : EPC PACKAGE</div> <div>Supplier/आपूर्तिकर्ता:</div> <div>Contract No/ अनुबंध सं:</div> </div> |  |  |  |  | <div> <div>LIST OF ITEMS REQUIRING QUALITY PLAN</div> <div>AND SUB-SUPPLIER APPROVAL स्वीकृति प्लान</div> <div>तथा सब-सप्लायर के अनुमोदन सहित भवों की सूची</div> <div>SUB-SYSTEM उप प्रणाली: ELECTRICAL</div> </div> |  |  |  | <div> <div>Doc. No/ दस्तावेज सं:</div> <div>REVISION NO : 00</div> <div>DATE/ तिथि : 08.06.2022</div> </div> |
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| S. N.<br>क्र.सं.                                                                                 | Item / मद                          | QI/ Insp.<br>Cat. कृपया/<br>निरी. श्रेणी.                                                                                                                                  | QI No. /<br>कृपया सं. | QI Sub.<br>Schedule<br>कृपया<br>उप-अनुसूचि | Proposed sub-supplier/<br>प्रस्तावित उप-आपूर्तिकर्ता | Place/ स्थान                                                                                                                                                                                                         | Sub-suppliers<br>approval<br>status/<br>category<br>आपूर्तिकर्ता<br>उप-<br>अनुमोदन<br>की स्थिति<br>/श्रेणी | Sub-supplier<br>Details<br>sub sch/<br>उप<br>आपूर्तिक<br>ता के<br>विवरण<br>प्रस्तुतीक<br>रण की<br>सूची         | Remarks/ टिप्पणी |
| 220                                                                                              | END SHIELD FABRICATION & MACHINING | CAT I                                                                                                                                                                      |                       |                                            |                                                      |                                                                                                                                                                                                                      |                                                                                                            |                                                                                                                |                  |
|                                                                                                  |                                    |                                                                                                                                                                            |                       |                                            | SHAPE                                                | HARDWAR                                                                                                                                                                                                              | A                                                                                                          |                                                                                                                |                  |
|                                                                                                  |                                    |                                                                                                                                                                            |                       |                                            | TIPS                                                 | Chennai                                                                                                                                                                                                              | A                                                                                                          |                                                                                                                |                  |

| <div>  </div> |  |  |  | <div> <div>Project/परियोजना : Lara II ( 2X800MW)</div> <div>Package/पैकेज : EPC PACKAGE</div> <div>Supplier/आपूर्तिकर्ता:</div> </div> |  |  | <div> <div>LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL स्थापित प्लान तथा सब -वेडर के अनुमोदन सहित मर्ग की सूची SUB-SYSTEM उप.प्रणाली: ELECTRICAL</div> </div> |  |  |  | <div> <div>Doc. No/ दस्तावेज सं.</div> <div>REVISION NO : 00</div> <div>DATE/ तिथि : 08.06.2022</div> </div> |
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|  | Project/परियोजना : Lana II ( 2X800MW)<br>Package/पैकेज : EPC PACKAGE<br>Supplier/आपूर्तिकर्ता:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                          |                      |                                           | LIST OF ITEMS REQUIRING QUALITY PLAN<br>AND SUB-SUPPLIER APPROVAL स्वीकृति योजना<br>तथा सब-सप्लायर के अनुमोदन सहित मशीन की सूची<br>SUB-SYSTEM उपप्रणाली: ELECTRICAL |             |                                                                                                    |                                           | Doc. No/दस्तावेज सं.:<br>REVISION NO : 00<br>DATE/दिनांक : 08.06.2022 |  |
|                                                                                     | Contract No/ अनुबंध सं.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                          |                      |                                           |                                                                                                                                                                     |             |                                                                                                    |                                           |                                                                       |  |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                          |                      |                                           |                                                                                                                                                                     |             |                                                                                                    |                                           |                                                                       |  |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                          |                      |                                           |                                                                                                                                                                     |             |                                                                                                    |                                           |                                                                       |  |
| S. N.<br>क्र.सं.                                                                    | Item / मद्                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | QP/ Insp.<br>Cat. कसरी/<br>निरी. श्रेणी. | QP No./<br>कसरी. सं. | QP Sub.<br>Schedule<br>कसरी<br>उप.अनुसूचि | Proposed sub-supplier/<br>प्रस्तावित उप आपूर्तिकर्ता                                                                                                                | Place/स्थान | Sub-supplier<br>approval<br>status/<br>उप<br>आपूर्तिकर्ता<br>के<br>अनुमोदन<br>की स्थिति<br>/श्रेणी | Sub-supplier<br>Details<br>sub sch/<br>उप | Remarks/ टिप्पणी                                                      |  |
| NOTE                                                                                | 1. CHECKS FOR STATOR CORE ASSLY, STATOR WINDING ASSEMBLY, ROTOR WINDING ASSLY(GEN), GENERATOR ROTOR-FINAL, BEARING ASSEMBLY/SHAFT SEAL ASSEMBLY, EXCITER ASSLY (MAIN & PILOT)/ SLIP RING SHAFT ASSEMBLY WITH BRUSH GEARS, EXCITER TEST RUN, GENERATOR ASSEMBLY AT WORKS INCLUDING TERMINAL BUSHING & GENERATOR WORKS RUN TEST SHALL BE FINALIZED DURING DETAILED ENGINEERING/MQP FINALIZATION FOR THE RESPECTIVE OEMs.<br>2. For Raw Material/Components/Items of Generator which are not appearing in the above list, their OEM approved sources shall be tied up during Detailed Engineering/ MQP finalization. |                                          |                      |                                           |                                                                                                                                                                     |             |                                                                                                    |                                           |                                                                       |  |

|                                                                                |                                                                     |                                                                                                                                                               |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
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| <div><div><div></div></div><div><div>एनटीपीसी</div><div>NTPC</div></div></div> |                                                                     | <div>Project/परियोजना : Lara II (2X800MW)</div> <div>Package/पैकेज : EPC PACKAGE</div> <div>Supplier/आपूर्तिकर्ता:</div> <div>Contract No./ अनुबंध सं.:</div> |                      |                                         |                                                   | <div>LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL/ क्वालिटी प्लान तथा सब -सप्लेयर के अनुमोदन सहित मदों की सूची</div> <div>SUB-SYSTEM उप-प्रणाली: ELECTRICAL</div> |                                                                             |                                                                              |                  | <div>Doc. No./ दस्तावेज सं.:</div> <div>REV/ISION NO : 00</div> <div>DATE/ तिथि : 08.06.2022</div> |  |  |
|                                                                                |                                                                     |                                                                                                                                                               |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
| S. N.<br>क्र.सं.                                                               | Item / मद                                                           | QI/ Insp.<br>Cat. क्यू.आई/ निरी. श्रेणी.                                                                                                                      | QI No./ क्यू.आई. सं. | QP Sub.<br>Schedule क्यू.आई. उप.अनुसूचि | Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता | Place/ स्थान                                                                                                                                                                        | Sub-suppliers approval status/ उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी | Sub-supplier Details sub sch/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीक रण की सूची | Remarks/ टिप्पणी |                                                                                                    |  |  |
| Items Identified as Main Contractor approved sources                           |                                                                     |                                                                                                                                                               |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
|                                                                                | MC 1 Tubular Type Hooler                                            | III                                                                                                                                                           |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
|                                                                                | MC 2 Interlocks for ESP                                             | III                                                                                                                                                           |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
|                                                                                | MC 3 Porcelain Bushing Insulators                                   | III                                                                                                                                                           |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
|                                                                                | MC 4 Continuous Cast Copper Rod                                     | III                                                                                                                                                           |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
|                                                                                | MC 5 Unimpregnated Densified Wood                                   | III                                                                                                                                                           |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
|                                                                                | MC 6 Marshalling Box Components                                     | III                                                                                                                                                           |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
|                                                                                | MC 8 Air Cell                                                       | III                                                                                                                                                           |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
|                                                                                | MC 9 Terminal Connector                                             | III                                                                                                                                                           |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
|                                                                                | MC 10 Oil Flow Indicator                                            | III                                                                                                                                                           |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
|                                                                                | MC 11 Pressure Relief Valve                                         | III                                                                                                                                                           |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
|                                                                                | MC 12 Magnetic Oil Level Gauge                                      | III                                                                                                                                                           |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
|                                                                                | MC 13 OTI/WTI (RTD Type)                                            | III                                                                                                                                                           |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
|                                                                                | MC 14 Off-Circuit Tap Changer                                       | III                                                                                                                                                           |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
|                                                                                | MC 15 Cooling Fan & Motor Assembly                                  | III                                                                                                                                                           |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
|                                                                                | MC 16 Silica Gel Breather                                           | III                                                                                                                                                           |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
|                                                                                | MC 17 Bushing Metal Parts                                           | III                                                                                                                                                           |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
|                                                                                | MC 18 Copper Conductor Bus Bar                                      | III                                                                                                                                                           |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
|                                                                                | MC 19 Copper Foil/Sheet for Dry Type Transformer                    | III                                                                                                                                                           |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
|                                                                                | MC 20 Core cheese assembly for Bus Reactor                          | III                                                                                                                                                           |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
|                                                                                | MC 21 Core Clamps & OLTC Bracket, Core/Tie Bolt, Rods & Nuts        | III                                                                                                                                                           |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
|                                                                                | MC 22 Epoxy Casting Material for Dry Type Transformer               | III                                                                                                                                                           |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
|                                                                                | MC 23 Fibre Glass Covered Copper Conductor for Dry Type Transformer | III                                                                                                                                                           |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
|                                                                                | MC 24 Fibre Glass Sheet for Dry Type Transformer                    | III                                                                                                                                                           |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
|                                                                                | MC 25 Gaskets                                                       | III                                                                                                                                                           |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
|                                                                                | MC 26 Hardwares                                                     | III                                                                                                                                                           |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
|                                                                                | MC 27 Motor for OLTC                                                | III                                                                                                                                                           |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
|                                                                                | MC 28 Sheet Metal Enclosure for Dry Type Transformer                | III                                                                                                                                                           |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
|                                                                                | MC 29 Steel Plate & Pipe                                            | III                                                                                                                                                           |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
|                                                                                | MC 30 Tank Fabrication up to 5 MVA                                  | III                                                                                                                                                           |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |
|                                                                                | MC 31 Temperature Surveillance Unit for Dry Type Transformer        | III                                                                                                                                                           |                      |                                         |                                                   |                                                                                                                                                                                     |                                                                             |                                                                              |                  |                                                                                                    |  |  |

| <div>  </div> |  |  | <div> <div>Project/ परियोजना : Laxa II (2X800MW)</div> <div>Package/ पैकेज : EPC PACKAGE</div> <div>Supplier/ आपूर्तिकर्ता:</div> </div> |  |  |  | <div> <div>LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL</div> <div>क्वालिटी प्लान तथा सब-सप्लायर के अनुमोदन सहित मशीन की सूची</div> <div>SUB-SYSTEM उपप्रणाली: ELECTRICAL</div> </div> |  |  |  | <div> <div>Doc. No/ दस्तावेज नं.:</div> <div>REVISION NO : 00</div> <div>DATE/ तिथि : 08.06.2022</div> </div> |
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| <div><div>एनटीपीसी</div><div>NTPC</div></div>                                                                                                                                                                                                                                                                          |           | Project/ परियोजना : Lata II (2X800MW)      |                                             | LIST OF ITEMS REQUIRING QUALITY PLAN<br>AND SUB-SUPPLIER APPROVAL/ क्वालिटी प्लान<br>तथा सब-सप्लायर के अनुमोदन सहित मशीन की सूची<br>SUB-SYSTEM उप-प्रणाली: ELECTRICAL |                                                      | Doc. No/ दस्तावेज सं.:  |                                                                                                |                                                                |                  |
|                                                                                                                                                                                                                                                                                                                        |           | Package/ पैकेज : EPC PACKAGE               |                                             |                                                                                                                                                                       |                                                      | REVISION NO : 00        |                                                                                                |                                                                |                  |
|                                                                                                                                                                                                                                                                                                                        |           | Supplier/ आपूर्तिकर्ता:                    |                                             |                                                                                                                                                                       |                                                      | DATE/ तिथि : 08.06.2022 |                                                                                                |                                                                |                  |
|                                                                                                                                                                                                                                                                                                                        |           | Contract No/ अनुबंध सं.:                   |                                             |                                                                                                                                                                       |                                                      |                         |                                                                                                |                                                                |                  |
| S. N.<br>क्र.सं                                                                                                                                                                                                                                                                                                        | Item / मद | QP/ Insp.<br>Cat. क्यूपी/<br>निरी. श्रेणी. | QP Sub.<br>Schedule<br>क्यूपी<br>उप.अनुसूचि | QP No./<br>क्यूपी. सं.                                                                                                                                                | Proposed sub-supplier/<br>प्रस्तावित उप आपूर्तिकर्ता | Place/ स्थान            | Sub-supplier<br>approval<br>status/<br>उप आपूर्तिकर्ता<br>के<br>अनुमोदन<br>की स्थिति<br>श्रेणी | Sub-supplier<br>Details<br>sub sch/<br>उप विवरण<br>तथा प्रसूची | Remarks/ टिप्पणी |
| NOTES:                                                                                                                                                                                                                                                                                                                 |           |                                            |                                             |                                                                                                                                                                       |                                                      |                         |                                                                                                |                                                                |                  |
| Note - 1 : Vendors to submit project specific documents as per Sub-QR requirements in case the Vendor is approved under collaboration agreement.                                                                                                                                                                       |           |                                            |                                             |                                                                                                                                                                       |                                                      |                         |                                                                                                |                                                                |                  |
| Note - 2: Vendors under 'A' are approved and accepted by NTPC, with/without conditions in the past. Similar conditions as the case may be for the vendor shall be applicable for this project and tied up in the quality plan.                                                                                         |           |                                            |                                             |                                                                                                                                                                       |                                                      |                         |                                                                                                |                                                                |                  |
| Note - 3: Main contractor approved sub vendors are acceptable those are evaluated / assessed as per Main contractor Quality Management System for vendor approval. Main contractor to inform the finally selected vendor to NTPC as soon as PO is placed for these items. In case of sub-QR Note-1 is also applicable. |           |                                            |                                             |                                                                                                                                                                       |                                                      |                         |                                                                                                |                                                                |                  |
| Note - 4 : BOI shall be reviewed and finalised during MQP approval for items/systems where ever applicable.                                                                                                                                                                                                            |           |                                            |                                             |                                                                                                                                                                       |                                                      |                         |                                                                                                |                                                                |                  |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                       |                                            |                        |                                             |                                                      |              |                                                                                                   |                                                                                                           |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------------|------------------------|---------------------------------------------|------------------------------------------------------|--------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|------------------|
| <div><div><div></div></div><div><div>एनटीपीसी</div><div>NTPC</div></div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Project/ परियोजना : Lara II (2X900MW) |                                            |                        |                                             | Doc. No/ दस्तावेज नं.:                               |              |                                                                                                   |                                                                                                           |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Package/ पैकेज : EPC PACKAGE          |                                            |                        |                                             | REVISION NO : 00                                     |              |                                                                                                   |                                                                                                           |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Supplier/ आपूर्तिकर्ता:               |                                            |                        |                                             | DATE/ तिथि : 08.06.2022                              |              |                                                                                                   |                                                                                                           |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Contract No/ अनुबंध नं.:              |                                            |                        |                                             |                                                      |              |                                                                                                   |                                                                                                           |                  |
| LIST OF ITEMS REQUIRING QUALITY PLAN<br>AND SUB-SUPPLIER APPROVAL/ क्वालिटी प्लान<br>तथा सब-सप्लायर के अनुमोदन सहित मंजूरी की सूची<br>SUB-SYSTEM उप-प्रणाली: ELECTRICAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                       |                                            |                        |                                             |                                                      |              |                                                                                                   |                                                                                                           |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                       |                                            |                        |                                             |                                                      |              |                                                                                                   |                                                                                                           |                  |
| S. N.<br>क्र.सं                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Item / मद                             | QP/ Insp.<br>Cat. क्यूपी/<br>निरी. श्रेणी. | QP No./<br>क्यूपी. सं. | QP Sub.<br>Schedule<br>क्यूपी<br>उप-अनुसूचि | Proposed sub-supplier/<br>प्रस्तावित उप-आपूर्तिकर्ता | Place/ स्थान | Sub-suppliers<br>approval<br>status/ उप-<br>आपूर्तिकर्ता<br>के<br>अनुमोदन<br>की स्थिति<br>/श्रेणी | Sub-supplier<br>Details<br>sub sch/<br>उप-<br>आपूर्तिक<br>तों के<br>विवरण<br>प्रस्तावित<br>राम की<br>सूची | Remarks/ टिप्पणी |
| Note - 9: Relevant certificates shall be submitted for NTPC approval/Approval conditions attached to above identified vendors, as applicable shall be adhered to.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                       |                                            |                        |                                             |                                                      |              |                                                                                                   |                                                                                                           |                  |
| Note - 10 : Indigentous sub-vendors for Annexure-I items are acceptable subject to meeting the MLC (Minimum Local Content) in line with latest MOP order.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                       |                                            |                        |                                             |                                                      |              |                                                                                                   |                                                                                                           |                  |
| <div>LEGENDS / संकेतिका</div> <div>SYSTEM SUPPLIER/SUB-SUPPLIER APPROVAL STATUS CATEGORY /प्रणाली आपूर्तिकर्ता/ सब-सप्लायर की स्वीकृति की स्थिति की श्रेणी (SHALL BE FILLED BY NTPC एनटीपीसी द्वारा भरा जाएगा)</div> <div>A - For these items proposed vendor is acceptable to NTPC. To be indicated with letter 'A' in the list along with the condition of approval, if any/ इन मदों के लिए प्रस्तावित डियर एनटीपीसी को स्वीकार्य है। अनुमोदन की शर्त, यदि कोई हो, के साथ-साथ पद 'क' में दर्शाया जाएगा।</div> <div>DR - For these items, "Detailed required" for NTPC review. To be identified with letter "DR" in the list. एनटीपीसी द्वारा इन मदों की समीक्षा के लिए "विस्तृत खोज" की आवश्यकता होगी। सूची में "DR" पद में दर्शाया जाएगा।</div> <div>OP/INSPN CATEGORY: क्यूपी/ निरीक्षण की श्रेणी.</div> <div>CAT-I/ श्रेणी. I: For these items the Quality Plans are approved by NTPC and the final acceptance will be on physical inspection witness by NTPC. इन मदों के लिए गुणवत्ता योजनाओं को एनटीपीसी द्वारा अनुमोदित किया जाता है और एनटीपीसी द्वारा अंतिम स्वीकृति भौतिक निरीक्षण के दौरान उपलब्ध कराई जाएगी।</div> <div>CAT-II/ श्रेणी. II: For these items the Quality Plans approved by NTPC. However no physical inspection shall be done by NTPC. The final acceptance by NTPC shall be on the basis review of documents as per approved QP. इन मदों के लिए गुणवत्ता योजनाओं को एनटीपीसी द्वारा अनुमोदित किया जाता है। हालांकि एनटीपीसी द्वारा कोई भौतिक निरीक्षण नहीं किया जाएगा। एनटीपीसी द्वारा अंतिम स्वीकृति अनुमोदित क्यूपी के अनुसार दस्तावेजों की समीक्षा के आधार पर दी जाएगी।</div> <div>CAT-III/ श्रेणी. III: For these items Quality control to be exercised as per Main contractor Quality Assurance System. The final acceptance by NTPC shall be on the basis of Certificate of Conformance (COC) by Main Contractor.</div> <div>UNITS/WORKS इकाईय/ कार्य: Place of manufacturing/ निर्माण का स्थान Place of Main Supplier of multi units/works/बहु-इकाईय/कार्यों के मुख्य सप्लायर का स्थान.</div> <div>: Control measure of item covered in quality plan of main item.</div> |                                       |                                            |                        |                                             |                                                      |              |                                                                                                   |                                                                                                           |                  |

| PROJECT : Lara-II ( 2X800MW)<br>PACKAGE : EPC PACKAGES<br>CONTRACTOR:<br>CONTRACT NO : |                           |                        |       |                   |                 |                                                                                                                  | LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL |                             |                   |                 | REVISION NO : 00<br>DATE :07.06.2022<br>SUB SECTION: C&I                                                                                                                                                                                                                                                                                                         |  |  |
|----------------------------------------------------------------------------------------|---------------------------|------------------------|-------|-------------------|-----------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-----------------------------|-------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Sr No                                                                                  | Item Description          | QP Inspection Category | QP No | QP submission SCH | QP approval SCH | Proposed Sub Supplier                                                                                            | Country                                                        | SS Approval_Status (Note-I) | SS Detail Sub.SCH | SS Approval SCH | Remark                                                                                                                                                                                                                                                                                                                                                           |  |  |
| 1                                                                                      | AAQMS System              | I                      |       |                   |                 | ACOEM Ecotech Industries Pvt Ltd                                                                                 | Pithampur                                                      | A                           |                   |                 | 1. So2 ,Nox CO CO2 ,Ozone ,PM-10,PM4-2.5 & multipoint calibrator will be from Ecotech Australia<br>2.Metrological sensor from Dynalab<br>3. Mercury analyser from LOA agreed sources<br>4.PI refer Note-07                                                                                                                                                       |  |  |
|                                                                                        |                           | I                      |       |                   |                 | Horiba India Pvt Ltd                                                                                             | Pune                                                           | A                           |                   |                 | 1. So2 ,Nox CO CO2 ,Ozone & multipoint calibrator will be from Horiba Japan<br>2.PM-10,PM-2.5 ,TSP will be from Met One USA & metrological sensor from Spectrum USA<br>3. Mercury analyser from LOA agreed sources                                                                                                                                               |  |  |
|                                                                                        |                           | I                      |       |                   |                 | Enviroment SA India Pvt Ltd.                                                                                     | Mumbai                                                         | A                           |                   |                 | 1.Analysers SO2,Nox,CO2 & SPM from Enviroment SA France,<br>2-Multipoint Calibrator From enviroment SA France<br>3-Metrological Sensor with interface unit from M/s LSI Lastem SRL, Italy                                                                                                                                                                        |  |  |
|                                                                                        |                           | I                      |       |                   |                 | Thermo Fisher Scientific India Pvt. Ltd                                                                          | Mumbai                                                         | A                           |                   |                 | 1) Analysers (Sox,Nox,CO,SPM,RSPM ,Ozone ) ,multi gas calibrator shall be sourced from their principle Thermo Environmental ,USA (Division of M/S Thermo fisher Scientific ,USA)<br>2 )Metrological sensors shall be sourced from M/S Metone Instruments USA                                                                                                     |  |  |
|                                                                                        |                           | I                      |       |                   |                 | Chemtrol Engineering Ltd                                                                                         | Goa                                                            | A                           |                   |                 | 1. Analysers from M/S Teledyne USA except Mercury analyser .<br>2.Metrological sensors & SPM analysers from Met one Instruments Inc USA<br>3.PI refer note-07                                                                                                                                                                                                    |  |  |
| 2                                                                                      | Acoustic pyrometer System | I                      |       |                   |                 | Lucent Marcons Pvt Ltd<br>(As a system Integrator of M/S Scientific Environmental Instruments, Inc. ( SEI) USA ) | Noida                                                          | A                           |                   |                 | 1.Boiler watch processor control unit, acoustic sensor ( Pizeo/Microphone with prefab cable ) , Preamplifier , mapping software & analog output cards shall be from M/S SEI USA .<br>2. Enclousure ,OWS , Waveguide ,Transition cone with flange , venturi , Tube box etc shall be from M/S SEI USA approved sources to be tiedup in MQP.<br>3. PI refer Note-07 |  |  |



PROJECT : Lara-II ( 2X800MW)  
PACKAGE : EPC PACKAGES  
CONTRACTOR:  
CONTRACT NO :

| PROJECT : Laxmi ( 2X800MW)<br>PACKAGE : EPC PACKAGES<br>CONTRACTOR:<br>CONTRACT NO.: |                                                                                                              |                              |       |                             |                                                                                                             | LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER<br>APPROVAL |                                |                         |                       | REVISION NO : 00<br>DATE :07.06.2022<br>SUB SECTION: C&I                                                                                                                                                                                                 |  |
|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------------|-------|-----------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------|-------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Sr No                                                                                | Item Description                                                                                             | QP<br>Inspection<br>Category | QP No | QP<br>submis<br>sion<br>SCH | Proposed Sub Supplier                                                                                       | Country                                                           | SS Approval_Status<br>(Note-I) | SS<br>Detail<br>Sub.SCH | SS<br>Approval<br>SCH | Remark                                                                                                                                                                                                                                                   |  |
|                                                                                      |                                                                                                              | I                            |       |                             | Hi-Tech Systems & Services Ltd<br>(As a system Integrator of M/S<br>Bommenberg + Drescher GmbH,<br>Germany) | Kolkata                                                           | A                              |                         |                       | 1.All critical components are to be<br>procured from M/S Bommenberg +<br>Drescher GmbH, Germany<br>2.Standard indigenous components like<br>Solenoid valve (Asco make) ,matching<br>flange ,printer & monitor table shall be<br>supplied by M/S Hi- Tech |  |
|                                                                                      |                                                                                                              | II                           |       |                             | Scientific Environment<br>Instrument Inc (SEI)                                                              | USA                                                               | A                              |                         |                       | 1.PCU ,Acoustic sensor ,Preamplifier<br>mapping software shall be from SEI USA<br>2. Enclosure ,OWS ,Waveguide ,Tube<br>box etc shall be from SEI approved<br>sources to be tiedup in MQP .<br>3.PI refer Note-07                                        |  |
|                                                                                      |                                                                                                              | II                           |       |                             | Bommenberg + Drescher GmbH,                                                                                 | Germany                                                           | A                              |                         |                       |                                                                                                                                                                                                                                                          |  |
|                                                                                      |                                                                                                              | II                           |       |                             | STOCK Equipment Co                                                                                          | USA                                                               | A                              |                         |                       |                                                                                                                                                                                                                                                          |  |
| 3                                                                                    | Addressable Detector (Multisensor , Photo &<br>Heat Detectors Type), Interface units &<br>Manual call points |                              |       |                             |                                                                                                             |                                                                   |                                |                         |                       |                                                                                                                                                                                                                                                          |  |
|                                                                                      |                                                                                                              | II                           |       |                             | Honeywell Life Safety-HIPL                                                                                  | Gurgaon                                                           | A                              |                         |                       | Notifier Brand ( Detector, Interface<br>Module only)                                                                                                                                                                                                     |  |
|                                                                                      |                                                                                                              | II                           |       |                             | Schrack                                                                                                     | Austria                                                           | A                              |                         |                       |                                                                                                                                                                                                                                                          |  |
|                                                                                      |                                                                                                              | II                           |       |                             | Autronica                                                                                                   | Norway                                                            | A                              |                         |                       |                                                                                                                                                                                                                                                          |  |
|                                                                                      |                                                                                                              | II                           |       |                             | Edwards                                                                                                     | Mexico                                                            | A                              |                         |                       |                                                                                                                                                                                                                                                          |  |
|                                                                                      |                                                                                                              | II                           |       |                             | Notifier                                                                                                    | USA                                                               | A                              |                         |                       |                                                                                                                                                                                                                                                          |  |
|                                                                                      |                                                                                                              | II                           |       |                             | Shield Fire safety                                                                                          | UK                                                                | A                              |                         |                       |                                                                                                                                                                                                                                                          |  |
|                                                                                      |                                                                                                              | II                           |       |                             | Jhonson Controls                                                                                            | USA                                                               | A                              |                         |                       | Simplex Brand                                                                                                                                                                                                                                            |  |
| 4                                                                                    | Battery for 24VDC charger & UPS                                                                              | Note-4                       |       |                             | Hoppecke Batterien GmbH &<br>Co Kg                                                                          | Germany                                                           | A                              |                         |                       | For Lead Acid- Plante                                                                                                                                                                                                                                    |  |
|                                                                                      |                                                                                                              | Note-4                       |       |                             | Exide                                                                                                       | Kolkata                                                           | A                              |                         |                       | For Lead Acid- Plante                                                                                                                                                                                                                                    |  |
|                                                                                      |                                                                                                              | Note-4                       |       |                             | SAFT India Ltd                                                                                              | Bengaluru                                                         | A                              |                         |                       | For Ni-Cd                                                                                                                                                                                                                                                |  |
|                                                                                      |                                                                                                              | Note-4                       |       |                             | HBL Power                                                                                                   | Hyderabad                                                         | A                              |                         |                       | For Ni-Cd ,Upto 990AH (H type)                                                                                                                                                                                                                           |  |
|                                                                                      |                                                                                                              | Note-4                       |       |                             | SAFT                                                                                                        | France/Sweedn                                                     | A                              |                         |                       | For Ni-Cd                                                                                                                                                                                                                                                |  |
|                                                                                      |                                                                                                              | Note-4                       |       |                             | Hoppecke Batterien GmbH &<br>Co Kg                                                                          | Germany                                                           | A                              |                         |                       | For Ni-Cd                                                                                                                                                                                                                                                |  |
| 5                                                                                    | Blank Panels / Cabinets                                                                                      | III                          |       |                             | Pyrotech Electronics Pvt. Ltd                                                                               | Udaipur                                                           | A                              |                         |                       |                                                                                                                                                                                                                                                          |  |
|                                                                                      |                                                                                                              | III                          |       |                             | Rittal India Private Ltd                                                                                    | Bengaluru                                                         | A                              |                         |                       |                                                                                                                                                                                                                                                          |  |
|                                                                                      |                                                                                                              | III                          |       |                             | Hoffman                                                                                                     | Bengaluru                                                         | A                              |                         |                       |                                                                                                                                                                                                                                                          |  |
|                                                                                      |                                                                                                              | III                          |       |                             | BHEL                                                                                                        | Bengaluru                                                         | A                              |                         |                       |                                                                                                                                                                                                                                                          |  |
| 6                                                                                    | Boiler tube leak detection system (ASLD)                                                                     |                              |       |                             |                                                                                                             |                                                                   |                                |                         |                       |                                                                                                                                                                                                                                                          |  |
|                                                                                      |                                                                                                              | III                          |       |                             | Hi Tech System & services Ltd<br>( System Integrator of Acoustic<br>Monitoring International Inc.<br>USA)   | Kolkata                                                           | A                              |                         |                       | 1.M/S Acoustic Monitoring International<br>Inc. USA Make system<br>Conditional as per approval letter<br>01/CQA/9573-102/Hi-tech-AMI dated<br>11.04.2013<br>2.PI refer Note-07                                                                           |  |
|                                                                                      |                                                                                                              | III                          |       |                             | Raman Instruments<br>(System Integrator of M/S<br>Procon UK )                                               | Delhi                                                             | A                              |                         |                       | 1.M/S Procon UK Make system<br>2.PI refer Note-07                                                                                                                                                                                                        |  |
|                                                                                      |                                                                                                              | III                          |       |                             | BHEL Ltd                                                                                                    | Trichurapalli                                                     | A                              |                         |                       |                                                                                                                                                                                                                                                          |  |
|                                                                                      |                                                                                                              | III                          |       |                             | Instrotech (PTY) Ltd                                                                                        | South Africa                                                      | A                              |                         |                       |                                                                                                                                                                                                                                                          |  |

| PROJECT : Lara-II ( 2X800MW)<br>PACKAGE : EPC PACKAGES<br>CONTRACTOR:<br>CONTRACT NO. : |                                            | LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL |                  |                        |       |                   |                 | REVISION NO : 00<br>DATE :07.06.2022<br>SUB SECTION: C&I |               |                             |                   |                 |                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------------------------------------|------------------|------------------------|-------|-------------------|-----------------|----------------------------------------------------------|---------------|-----------------------------|-------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                         |                                            | Sr No                                                          | Item Description | QP Inspection Category | QP No | QP submission SCH | QP approval SCH | Proposed Sub Supplier                                    | Country       | SS Approval_Status (Note-I) | SS Detail Sub.SCH | SS Approval SCH | Remark                                                                                                                                                                                                                                                                                                |
|                                                                                         |                                            |                                                                |                  |                        |       |                   |                 |                                                          |               |                             |                   |                 |                                                                                                                                                                                                                                                                                                       |
|                                                                                         |                                            |                                                                |                  | III                    |       |                   |                 | Rectuson Co. Ltd                                         | S.Korea       | A                           |                   |                 |                                                                                                                                                                                                                                                                                                       |
|                                                                                         |                                            |                                                                |                  | III                    |       |                   |                 | Procon Engineering                                       | UK            | A                           |                   |                 |                                                                                                                                                                                                                                                                                                       |
|                                                                                         |                                            |                                                                |                  | III                    |       |                   |                 | Acoustic Monitoring International Inc. (AMI)             | USA           | A                           |                   |                 |                                                                                                                                                                                                                                                                                                       |
| 7                                                                                       | CCTV System (IP Based )                    |                                                                |                  |                        |       |                   |                 |                                                          |               |                             |                   |                 |                                                                                                                                                                                                                                                                                                       |
|                                                                                         |                                            |                                                                |                  | III                    |       |                   |                 | Axis                                                     | Sweden        | A                           |                   |                 | 1.CCTV components will be of Axis communication AB,Sweden make & Video Management Software will be of Milestone Brand.<br>2.Other BOI items shall be from LOA approved sources & will be tied up during the finalization MQP.                                                                         |
|                                                                                         |                                            |                                                                |                  | III                    |       |                   |                 | Bosch                                                    | Bengaluru     | A                           |                   |                 | 1.CCTV components will be of M/S Bosch make, and supplied through M/s Bosch, Bengaluru.<br>2.Other BOI items shall be from LOA approved sources & will be tied up during the finalization MQP.                                                                                                        |
|                                                                                         |                                            |                                                                |                  | III                    |       |                   |                 | Pelco                                                    | USA           | A                           |                   |                 | 1.CCTV components will be of M/S Pelco, USA make<br>2.Other BOI items shall be from LOA approved sources & will be tied up during the finalization MQP.                                                                                                                                               |
| 7A                                                                                      | CCTV System (IP Based )/System Integrators |                                                                |                  |                        |       |                   |                 |                                                          |               |                             |                   |                 |                                                                                                                                                                                                                                                                                                       |
|                                                                                         |                                            | I                                                              |                  |                        |       |                   |                 | Jonson Control India Pvt Ltd                             | Mumbai        | A                           |                   |                 | M/S Pelco Make CCTV system                                                                                                                                                                                                                                                                            |
|                                                                                         |                                            | I                                                              |                  |                        |       |                   |                 | Toshniwal Industrial Pvt Ltd                             | Ajmer         | A                           |                   |                 | M/S Axis Make CCTV system                                                                                                                                                                                                                                                                             |
|                                                                                         |                                            | I                                                              |                  |                        |       |                   |                 | L&T TECHNOLOGY SERVICES                                  | Bengaluru     | A                           |                   |                 | M/S Bosch Make CCTV system                                                                                                                                                                                                                                                                            |
|                                                                                         |                                            | I                                                              |                  |                        |       |                   |                 | Score Information Technologies Limited                   | Kolkata       | A                           |                   |                 | M/S Bosch Make CCTV system                                                                                                                                                                                                                                                                            |
| 8                                                                                       | Control Desk                               |                                                                |                  |                        |       |                   |                 |                                                          |               |                             |                   |                 |                                                                                                                                                                                                                                                                                                       |
|                                                                                         |                                            | I                                                              |                  |                        |       |                   |                 | Pyrotech Workspace Solutions Pvt Ltd                     | Udaipur       | A                           |                   |                 | BOI items like Mosaic tiles /Console items shall be as per LOA approved sources                                                                                                                                                                                                                       |
|                                                                                         |                                            | I                                                              |                  |                        |       |                   |                 | Cosmos Media Products Pvt Ltd                            | Greater Noida | A                           |                   |                 | 1.BOI items like Mosaic tiles /Console items shall be as per LOA approved sources<br>2. H block should be from knurr Germany<br>3.Solid acrylic surface should be procured from Du Pont/NTPC approved sources<br>3.Extruded Al profile structure should be procured from Hindalco (With Knurr design) |
|                                                                                         |                                            | I                                                              |                  |                        |       |                   |                 | Adarsha Control system Pvt Ltd                           | Bengaluru     | A                           |                   |                 | 1.BOI items like Mosaic tiles /Console items shall be as per LOA approved sources<br>2. Acrylic solid surface (ASS) should be procured from Du Pont /NTPC approved sources<br>3.wood works are to be done by M/S C K Furn Bengaluru                                                                   |
| 9                                                                                       | Control Valves                             |                                                                |                  |                        |       |                   |                 |                                                          |               |                             |                   |                 |                                                                                                                                                                                                                                                                                                       |



PROJECT : Lara-II ( 2X800MW)  
PACKAGE : EPC PACKAGES  
CONTRACTOR:  
CONTRACT NO :

| <div><div>नदी नदी नदी</div></div> |                                                            | PROJECT : Laxali ( 2X800MW)<br>PACKAGE : EPC PACKAGES<br>CONTRACTOR:<br>CONTRACT NO : |                  |                        |       | LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL |                          |         |                             |  | REVISION NO : 00<br>DATE :07.06.2022<br>SUB SECTION: C&I |                                                                                                                                                                                                                                                                                                      |        |
|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------|------------------------|-------|----------------------------------------------------------------|--------------------------|---------|-----------------------------|--|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
|                                                                                                                     |                                                            | Sr No                                                                                 | Item Description | QP Inspection Category | QP No | QP submission SCH                                              | Proposed Sub Supplier    | Country | SS Approval_Status (Note-I) |  | SS Detail Sub.SCH                                        | SS Approval SCH                                                                                                                                                                                                                                                                                      | Remark |
|                                                                                                                     |                                                            |                                                                                       |                  |                        |       |                                                                |                          |         |                             |  |                                                          |                                                                                                                                                                                                                                                                                                      |        |
| 9-A                                                                                                                 | Control Valves for Aux PRDS system including desuperheater | I                                                                                     |                  |                        |       | Instrumentation Limited                                        | Palakkad (Kerala)        | A       |                             |  |                                                          | Up to A182F92 material with conditions as per approval letter                                                                                                                                                                                                                                        |        |
|                                                                                                                     |                                                            | I                                                                                     |                  |                        |       | Koso India Pvt limited                                         | Nasik                    | A       |                             |  |                                                          | Up to A182F92 material with conditions as per approval letter                                                                                                                                                                                                                                        |        |
|                                                                                                                     |                                                            | I                                                                                     |                  |                        |       | Bonafa Special Valve solutions Pvt ltd                         | Ahmedabad                | A       |                             |  |                                                          | Up to A182F92 material with conditions as per approval letter                                                                                                                                                                                                                                        |        |
|                                                                                                                     |                                                            | I                                                                                     |                  |                        |       | KSB MIL Controls Ltd                                           | Thrissur (Kerala)        | A       |                             |  |                                                          | As per approval Ref: 02/COA/SG/Tanda/MIL Dated 30.09.2015                                                                                                                                                                                                                                            |        |
|                                                                                                                     |                                                            | I                                                                                     |                  |                        |       | Control Component India PVT Ltd                                | Sricity (Andhra Pradesh) | A       |                             |  |                                                          | 1.MQP shall be vetted by M/S CCI -USA<br>2.Sources of major components like casting /forging and actuators shall be tied up during finalization of MQP                                                                                                                                               |        |
|                                                                                                                     |                                                            | II                                                                                    |                  |                        |       | Parcol SPA                                                     | Italy                    | A       |                             |  |                                                          |                                                                                                                                                                                                                                                                                                      |        |
|                                                                                                                     |                                                            | II                                                                                    |                  |                        |       | Daume                                                          | Germany                  | A       |                             |  |                                                          |                                                                                                                                                                                                                                                                                                      |        |
|                                                                                                                     |                                                            | II                                                                                    |                  |                        |       | HOLTER                                                         | Germany                  | A       |                             |  |                                                          |                                                                                                                                                                                                                                                                                                      |        |
| 9-B                                                                                                                 | Control Valve for Start Up System                          | I                                                                                     |                  |                        |       | Control Component India PVT Ltd                                | Sricity (Andhra Pradesh) | A       |                             |  |                                                          | 1.The critical components of control valve i.e. Disk Stack ( Drag technology) shall be sourced from CCI, USA/CCI S. Korea .<br>2.The positioner from NTPC approved sources & pneumatic actuators are sourced from CCI S.Korea<br>3.Control valve to be manufactured as per CCI USA design & drawing. |        |
|                                                                                                                     |                                                            | I                                                                                     |                  |                        |       | KOSO India Pvt Ltd                                             | Nasik                    | A       |                             |  |                                                          |                                                                                                                                                                                                                                                                                                      |        |
|                                                                                                                     |                                                            | I                                                                                     |                  |                        |       | Emerson Process Management Ltd                                 | Chennai                  | A       |                             |  |                                                          |                                                                                                                                                                                                                                                                                                      |        |
|                                                                                                                     |                                                            | II                                                                                    |                  |                        |       | Dresser Produits industriels Industriels S.A.S                 | France                   | A       |                             |  |                                                          |                                                                                                                                                                                                                                                                                                      |        |
|                                                                                                                     |                                                            | II                                                                                    |                  |                        |       | SEMPPELL AG                                                    | Germany                  | A       |                             |  |                                                          | Up To size 20 Inches & 2500 ANSI Class                                                                                                                                                                                                                                                               |        |
|                                                                                                                     |                                                            | II                                                                                    |                  |                        |       | Nihon Koso Co Ltd                                              | Japan                    | A       |                             |  |                                                          |                                                                                                                                                                                                                                                                                                      |        |
|                                                                                                                     |                                                            | II                                                                                    |                  |                        |       | HORA                                                           | Germany                  | A       |                             |  |                                                          |                                                                                                                                                                                                                                                                                                      |        |
|                                                                                                                     |                                                            | II                                                                                    |                  |                        |       | CCI                                                            | S.Korea                  | A       |                             |  |                                                          |                                                                                                                                                                                                                                                                                                      |        |
|                                                                                                                     |                                                            | II                                                                                    |                  |                        |       | Emerson (Fisher)                                               | USA/France/Japan         | A       |                             |  |                                                          |                                                                                                                                                                                                                                                                                                      |        |
| 9-C                                                                                                                 | Control Valve for BFP Recirculation.                       |                                                                                       |                  |                        |       |                                                                |                          |         |                             |  |                                                          |                                                                                                                                                                                                                                                                                                      |        |
|                                                                                                                     |                                                            | I                                                                                     |                  |                        |       | Control Component India PVT Ltd                                | Sricity (Andhra Pradesh) | A       |                             |  |                                                          | 1.The critical components of control valve i.e. Disk Stack ( Drag technology) shall be sourced from CCI, USA/CCI S. Korea .<br>2.The positioner from NTPC approved sources & pneumatic actuators are sourced from CCI S.Korea<br>3.Control valve to be manufactured as per CCI USA design & drawing. |        |
|                                                                                                                     |                                                            | I                                                                                     |                  |                        |       | KOSO India Pvt Ltd                                             | Nasik                    | A       |                             |  |                                                          |                                                                                                                                                                                                                                                                                                      |        |
|                                                                                                                     |                                                            | I                                                                                     |                  |                        |       | KSB MIL Controls Ltd                                           | Thrissur (Kerala)        | A       |                             |  |                                                          | Up to 10 Inches & 3400 ANSI class                                                                                                                                                                                                                                                                    |        |



PROJECT : Lara-II ( 2X800MW)  
PACKAGE : EPC PACKAGES  
CONTRACTOR:  
CONTRACT NO :

| <div><div>एन टी पी सी</div></div> |                                                                       | PROJECT : Laxmi ( 2X800MW) |       |                   |                 |                                   | LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL |                             |                   |                 |                                                                                                                                                                                                                                                                                                      | REVISION NO : 00 |  |
|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------|-------|-------------------|-----------------|-----------------------------------|----------------------------------------------------------------|-----------------------------|-------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--|
|                                                                                                                     |                                                                       | PACKAGE : EPC PACKAGES     |       |                   |                 |                                   |                                                                |                             |                   |                 |                                                                                                                                                                                                                                                                                                      | DATE :07.06.2022 |  |
|                                                                                                                     |                                                                       | CONTRACTOR:                |       |                   |                 |                                   |                                                                |                             |                   |                 |                                                                                                                                                                                                                                                                                                      | SUB SECTION: C&I |  |
|                                                                                                                     |                                                                       | CONTRACT NO :              |       |                   |                 |                                   |                                                                |                             |                   |                 |                                                                                                                                                                                                                                                                                                      |                  |  |
| Sr No                                                                                                               | Item Description                                                      | QP Inspection Category     | QP No | QP submission SCH | QP approval SCH | Proposed Sub Supplier             | Country                                                        | SS Approval_Status (Note-I) | SS Detail Sub.SCH | SS Approval SCH | Remark                                                                                                                                                                                                                                                                                               |                  |  |
|                                                                                                                     |                                                                       | II                         |       |                   |                 | Dresser Produits industriels      | France                                                         | A                           |                   |                 |                                                                                                                                                                                                                                                                                                      |                  |  |
|                                                                                                                     |                                                                       | II                         |       |                   |                 | Industriels S.A.S                 | Japan                                                          | A                           |                   |                 |                                                                                                                                                                                                                                                                                                      |                  |  |
|                                                                                                                     |                                                                       | II                         |       |                   |                 | Nihon Koso Co Ltd                 | USA                                                            | A                           |                   |                 |                                                                                                                                                                                                                                                                                                      |                  |  |
|                                                                                                                     |                                                                       | II                         |       |                   |                 | CCI                               | USA                                                            | A                           |                   |                 |                                                                                                                                                                                                                                                                                                      |                  |  |
|                                                                                                                     |                                                                       | II                         |       |                   |                 | Emerson (Fisher)                  | USA/France/Japan                                               | A                           |                   |                 |                                                                                                                                                                                                                                                                                                      |                  |  |
| 9-D                                                                                                                 | Control valve for feedwater flow Control                              | I                          |       |                   |                 | Instrumentation Limited           | Palkkad                                                        | A                           |                   |                 | 12" inch 3200 class                                                                                                                                                                                                                                                                                  |                  |  |
|                                                                                                                     |                                                                       | I                          |       |                   |                 | Control Component India PVT Ltd   | Sricity (Andhra Pradesh)                                       | A                           |                   |                 | 1.The critical components of control valve i.e. Disk Stack ( Drag technology) shall be sourced from CCI, USA/CCI S. Korea .<br>2.The positioner from NTPC approved sources & pneumatic actuators are sourced from CCI S.Korea<br>3.Control valve to be manufactured as per CCI USA design & drawing. |                  |  |
|                                                                                                                     |                                                                       | I                          |       |                   |                 | KOSO India Pvt Ltd                | Nasik                                                          | A                           |                   |                 | Control valve body assembly will be from Nippon Fisher ,Japan with IBR form III C certificates .                                                                                                                                                                                                     |                  |  |
|                                                                                                                     |                                                                       | I                          |       |                   |                 | Emerson Process Management Ltd    | Chennai                                                        | A                           |                   |                 | 1.Provision of straight type of brackets for linkage mechanism .2.Factory fitted strainer /diffuser type seat ring . 3.AFR with T connector for pneumatic connection to volume booster                                                                                                               |                  |  |
|                                                                                                                     |                                                                       | I                          |       |                   |                 | KSB MIL Controls Ltd              | Thrissur (Kerala)                                              | A                           |                   |                 |                                                                                                                                                                                                                                                                                                      |                  |  |
|                                                                                                                     |                                                                       | II                         |       |                   |                 | Dresser Produits industriels      | France                                                         | A                           |                   |                 |                                                                                                                                                                                                                                                                                                      |                  |  |
|                                                                                                                     |                                                                       | II                         |       |                   |                 | Industriels S.A.S                 | Japan                                                          | A                           |                   |                 | CONDITIONAL                                                                                                                                                                                                                                                                                          |                  |  |
|                                                                                                                     |                                                                       | II                         |       |                   |                 | Nihon Koso Co Ltd                 | USA / Austria / S.Korea / Switzerland                          | A                           |                   |                 |                                                                                                                                                                                                                                                                                                      |                  |  |
|                                                                                                                     |                                                                       | II                         |       |                   |                 | CCI                               | USA/France/Japan                                               | A                           |                   |                 |                                                                                                                                                                                                                                                                                                      |                  |  |
|                                                                                                                     |                                                                       | II                         |       |                   |                 | Emerson (Fisher)                  | n                                                              | A                           |                   |                 |                                                                                                                                                                                                                                                                                                      |                  |  |
| 9-E                                                                                                                 | Control valves for Soot blower pressure reducing ,SH/ RH Attenuation. | I                          |       |                   |                 | Control Component India PVT Ltd   | Sricity (Andhra Pradesh)                                       | A                           |                   |                 | 1.The critical components of control valve i.e. Disk Stack ( Drag technology) shall be sourced from CCI, USA/CCI S. Korea .<br>2.The positioner from NTPC approved sources & pneumatic actuators are sourced from CCI S.Korea<br>3.Control valve to be manufactured as per CCI USA design & drawing. |                  |  |
|                                                                                                                     |                                                                       | I                          |       |                   |                 | KOSO India Pvt Ltd                | Nasik                                                          | A                           |                   |                 |                                                                                                                                                                                                                                                                                                      |                  |  |
|                                                                                                                     |                                                                       | I                          |       |                   |                 | Emerson Process Management Ltd    | Chennai                                                        | A                           |                   |                 |                                                                                                                                                                                                                                                                                                      |                  |  |
|                                                                                                                     |                                                                       | I                          |       |                   |                 | KSB MIL Controls Ltd              | Thrissur (Kerala)                                              | A                           |                   |                 |                                                                                                                                                                                                                                                                                                      |                  |  |
|                                                                                                                     |                                                                       | I                          |       |                   |                 | GE Oil & Gas India Pvt Limited    | Coimbatore                                                     | A                           |                   |                 | up to 2500 ANSI Class                                                                                                                                                                                                                                                                                |                  |  |
|                                                                                                                     |                                                                       | I                          |       |                   |                 | Flow Serve India Controls Pvt Ltd | Bengaluru                                                      | A                           |                   |                 |                                                                                                                                                                                                                                                                                                      |                  |  |



PROJECT : Lara-II ( 2X800MW)  
PACKAGE : EPC PACKAGES  
CONTRACTOR:  
CONTRACT NO :

| Sr No |  | Item Description                 | PROJECT : Laxali ( 2X800MW)<br>PACKAGE : EPC PACKAGES<br>CONTRACTOR:<br>CONTRACT NO. : |       |                   |                                                 |                           | LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL |                             |                   |                                                                                                                                               | REVISION NO : 00<br>DATE :07.06.2022<br>SUB SECTION: C&I |  |
|-------|--|----------------------------------|----------------------------------------------------------------------------------------|-------|-------------------|-------------------------------------------------|---------------------------|----------------------------------------------------------------|-----------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--|
|       |  |                                  | QP Inspection Category                                                                 | QP No | QP submission SCH | QP approval SCH                                 | Proposed Sub Supplier     | Country                                                        | SS Approval_Status (Note-I) | SS Detail Sub.SCH | SS Approval SCH                                                                                                                               | Remark                                                   |  |
|       |  |                                  |                                                                                        |       |                   |                                                 |                           |                                                                |                             |                   |                                                                                                                                               |                                                          |  |
|       |  |                                  |                                                                                        |       |                   |                                                 |                           |                                                                |                             |                   |                                                                                                                                               |                                                          |  |
|       |  |                                  | I                                                                                      |       |                   | Instrumentation Limited                         | Palakkad (Kerala)         | A                                                              |                             |                   | only for SH / RH                                                                                                                              |                                                          |  |
|       |  |                                  | II                                                                                     |       |                   | Nihon Koso Co Ltd                               | Japan                     | A                                                              |                             |                   |                                                                                                                                               |                                                          |  |
|       |  |                                  | II                                                                                     |       |                   | Dressor Masonellan                              | USA                       | A                                                              |                             |                   | only for SH / RH/ up to 2500 class                                                                                                            |                                                          |  |
|       |  |                                  | II                                                                                     |       |                   | Dresser Produits industriels Industriels S.A.S  | France                    | A                                                              |                             |                   |                                                                                                                                               |                                                          |  |
|       |  |                                  | II                                                                                     |       |                   | SPX Flow Technology                             | USA                       | A                                                              |                             |                   | only for SH / RH                                                                                                                              |                                                          |  |
|       |  |                                  | II                                                                                     |       |                   | Leslie Controls Inc                             | USA                       | A                                                              |                             |                   | only for SH / RH                                                                                                                              |                                                          |  |
|       |  |                                  | II                                                                                     |       |                   | Sempell AG (Tyco group)                         | Germany                   | A                                                              |                             |                   | only for SH / RH                                                                                                                              |                                                          |  |
|       |  |                                  | II                                                                                     |       |                   | CCI                                             | USA/Sweden /S Korea       | A                                                              |                             |                   |                                                                                                                                               |                                                          |  |
|       |  |                                  | II                                                                                     |       |                   | Emerson (Fisher)                                | USA/France /Japan         | A                                                              |                             |                   |                                                                                                                                               |                                                          |  |
| 9-F   |  | Control valve(Other application) |                                                                                        |       |                   |                                                 |                           |                                                                |                             |                   |                                                                                                                                               |                                                          |  |
|       |  |                                  | I                                                                                      |       |                   | Mascot Valves Pvt Ltd                           | Ahmedabad                 | A                                                              |                             |                   | Up to size 12 inches & 900 ANSI class                                                                                                         |                                                          |  |
|       |  |                                  | I                                                                                      |       |                   | Control Component India PVT Ltd                 | Stricity (Andhra Pradesh) | A                                                              |                             |                   | Up to 2500 ANSI class                                                                                                                         |                                                          |  |
|       |  |                                  | +                                                                                      |       |                   | KOSO India Pvt Ltd                              | Nasik                     | A                                                              |                             |                   |                                                                                                                                               |                                                          |  |
|       |  |                                  | I                                                                                      |       |                   | KSB MIL Controls Ltd                            | Thrissur (Kerala)         | A                                                              |                             |                   | Up to 2500 ANSI class                                                                                                                         |                                                          |  |
|       |  |                                  | I                                                                                      |       |                   | Emerson Process Management Ltd                  | Chennai                   | A                                                              |                             |                   | Up to 2500 ANSI class                                                                                                                         |                                                          |  |
|       |  |                                  | I                                                                                      |       |                   | GE Oil & Gas India Pvt Ltd                      | Coimbatore                | A                                                              |                             |                   | Up to size 10 inches & 900 ANSI class /Up to size 24 inches & 600 ANSI class                                                                  |                                                          |  |
|       |  |                                  | I                                                                                      |       |                   | Flow Serve India Controls Pvt Ltd               | Bengaluru                 | A                                                              |                             |                   | Up to size 14 inches & 600 ANSI class                                                                                                         |                                                          |  |
|       |  |                                  | I                                                                                      |       |                   | Forbes Marshall Area Pvt. Ltd.                  | Pune                      | A                                                              |                             |                   | Up to size 16 inches & 900 ANSI class                                                                                                         |                                                          |  |
|       |  |                                  | I                                                                                      |       |                   | Instrumentation Limited                         | Palakkad (Kerala)         | A                                                              |                             |                   | Up to 2500 ANSI class                                                                                                                         |                                                          |  |
|       |  |                                  | I                                                                                      |       |                   | Severn Glocon India Pvt Ltd                     | Chennai                   | A                                                              |                             |                   | Up to size 14 inches & 300 ANSI class                                                                                                         |                                                          |  |
|       |  |                                  | I                                                                                      |       |                   | Circor Flow                                     | Coimbatore                | A                                                              |                             |                   |                                                                                                                                               |                                                          |  |
|       |  |                                  | II                                                                                     |       |                   | CCI                                             | USA/Sweden /S Korea       | A                                                              |                             |                   |                                                                                                                                               |                                                          |  |
|       |  |                                  | II                                                                                     |       |                   | Nihon Koso Co Ltd                               | Japan                     | A                                                              |                             |                   |                                                                                                                                               |                                                          |  |
|       |  |                                  | II                                                                                     |       |                   | Emerson (Fisher)                                | USA/France /Japan         | A                                                              |                             |                   |                                                                                                                                               |                                                          |  |
|       |  |                                  | II                                                                                     |       |                   | Leslie Controls Inc                             | USA                       | A                                                              |                             |                   |                                                                                                                                               |                                                          |  |
|       |  |                                  | II                                                                                     |       |                   | PARCOL S.P.A                                    | Italy                     | A                                                              |                             |                   |                                                                                                                                               |                                                          |  |
|       |  |                                  | II                                                                                     |       |                   | Dresser Produits industriels Industriels S.A.S  | France                    | A                                                              |                             |                   |                                                                                                                                               |                                                          |  |
|       |  |                                  | II                                                                                     |       |                   | HORA                                            | Germany                   | A                                                              |                             |                   |                                                                                                                                               |                                                          |  |
|       |  |                                  | II                                                                                     |       |                   | Wellend & Tuxhorn                               | Germany                   | A                                                              |                             |                   |                                                                                                                                               |                                                          |  |
|       |  |                                  | II                                                                                     |       |                   | SPX Flow Technology                             | USA                       | A                                                              |                             |                   |                                                                                                                                               |                                                          |  |
|       |  |                                  | II                                                                                     |       |                   | Sempell AG (Tyco group)                         | Germany                   | A                                                              |                             |                   |                                                                                                                                               |                                                          |  |
| 9-G   |  | Control Valve (Ceramic lined )   |                                                                                        |       |                   |                                                 |                           |                                                                |                             |                   |                                                                                                                                               |                                                          |  |
|       |  |                                  | I                                                                                      |       |                   | Samson Controls Pvt Ltd                         | Pune                      | A                                                              |                             |                   | 1. For M/S Samson Cera Germany make valve Up to 10 inches size & 150 ANSI class<br>2. BOI shall be tied up at the time of finalisation of MQP |                                                          |  |
| 10    |  | DDCMIS                           |                                                                                        |       |                   |                                                 |                           |                                                                |                             |                   |                                                                                                                                               |                                                          |  |
|       |  |                                  | I                                                                                      |       |                   | ABB                                             | Germany                   | A                                                              |                             |                   |                                                                                                                                               |                                                          |  |
|       |  |                                  | I                                                                                      |       |                   | SIEMENS AG                                      | Germany                   | A                                                              |                             |                   |                                                                                                                                               |                                                          |  |
|       |  |                                  | I                                                                                      |       |                   | Emerson Process Management Asia Pacific Pvt Ltd | Singapore                 | A                                                              |                             |                   |                                                                                                                                               |                                                          |  |

| PROJECT : Lara-II ( 2X800MW)<br>PACKAGE : EPC PACKAGES<br>CONTRACTOR:<br>CONTRACT NO : |                                                    |                        |       | LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL |                 |                                         |             |                             | REVISION NO : 00<br>DATE :07.06.2022<br>SUB SECTION: C&I |                 |                                                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------|----------------------------------------------------|------------------------|-------|----------------------------------------------------------------|-----------------|-----------------------------------------|-------------|-----------------------------|----------------------------------------------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sr No                                                                                  | Item Description                                   | QP Inspection Category | QP No | QP submission SCH                                              | QP approval SCH | Proposed Sub Supplier                   | Country     | SS Approval_Status (Note-I) | SS Detail Sub.SCH                                        | SS Approval SCH | Remark                                                                                                                                                                                                               |
|                                                                                        |                                                    | I                      |       |                                                                |                 | Hitachi nest control system Pvt Ltd     | Bengaluru   | A                           |                                                          |                 |                                                                                                                                                                                                                      |
|                                                                                        |                                                    | I                      |       |                                                                |                 | Honeywell Automation India Ltd          | Pune        | A                           |                                                          |                 |                                                                                                                                                                                                                      |
|                                                                                        |                                                    | I                      |       |                                                                |                 | GE                                      | France      | A                           |                                                          |                 |                                                                                                                                                                                                                      |
|                                                                                        |                                                    | I                      |       |                                                                |                 | SIEMENS                                 | Gurugram    | A                           |                                                          |                 |                                                                                                                                                                                                                      |
|                                                                                        |                                                    | I                      |       |                                                                |                 | BHEL                                    | Bengaluru   | A                           |                                                          |                 | For MAX DNA System                                                                                                                                                                                                   |
|                                                                                        |                                                    | I                      |       |                                                                |                 | Yokogawa                                | Bengaluru   | A                           |                                                          |                 |                                                                                                                                                                                                                      |
|                                                                                        |                                                    | I                      |       |                                                                |                 | GE Power India Ltd                      | Noida       | A                           |                                                          |                 |                                                                                                                                                                                                                      |
|                                                                                        |                                                    | I                      |       |                                                                |                 | Toshiba                                 | Japan       | A                           |                                                          |                 |                                                                                                                                                                                                                      |
|                                                                                        |                                                    | I                      |       |                                                                |                 | ABB                                     | Bengaluru   | A                           |                                                          |                 |                                                                                                                                                                                                                      |
|                                                                                        |                                                    | I                      |       |                                                                |                 | Emerson Process Management Ltd          | Pawane      | A                           |                                                          |                 |                                                                                                                                                                                                                      |
| 11                                                                                     | Dust Emission Monitor                              |                        |       |                                                                |                 |                                         |             |                             |                                                          |                 |                                                                                                                                                                                                                      |
|                                                                                        |                                                    | III                    |       |                                                                |                 | Durag India Instrumentation Pvt Ltd     | Bengaluru   | A                           |                                                          |                 | 1. For Durag Germany Make Extractive Type Dust density analyser<br>2. Other components shall be as per approval letter COA/NTPC BARH-STPP-I / D-263 / Durag India Instrumentation Pvt Ltd Bengaluru Dated 28.08.2019 |
|                                                                                        |                                                    | III                    |       |                                                                |                 | Sick India Pvt Ltd                      | Mumbai      | A                           |                                                          |                 | 1.For SICK AG Make Extractive Type Dust density analyser<br>2. Other components shall be as per approval letter COA/NTPC BARH-I /S-9077/M/S SICK India Pvt Ltd dated 28.08.2019                                      |
|                                                                                        |                                                    | III                    |       |                                                                |                 | Environment SA India Pvt Ltd            | Navi Mumbai | A                           |                                                          |                 | 1.For ENEVA UK Make Extractive Type Dust density analyser<br>2. Other components shall be as per approval letter No.: COA/NTPC BARH-I /E-335 / M/S Environment SA India Pvt Ltd Dated 16.09.2019                     |
|                                                                                        |                                                    | III                    |       |                                                                |                 | Land Instruments International          | UK          | A                           |                                                          |                 | For In Situ type /Optical Transceiver type                                                                                                                                                                           |
|                                                                                        |                                                    | III                    |       |                                                                |                 | Codel                                   | UK          | A                           |                                                          |                 | For In Situ type /Optical Transceiver type                                                                                                                                                                           |
|                                                                                        |                                                    | III                    |       |                                                                |                 | Durag Industrie Elektronik GmbH & Co KG | Germany     | A                           |                                                          |                 | For In Situ type /Optical Transceiver type & Extractive Type                                                                                                                                                         |
|                                                                                        |                                                    | III                    |       |                                                                |                 | Emerson Process Management              | Ireland     | A                           |                                                          |                 | For In Situ type /Optical Transceiver type                                                                                                                                                                           |
|                                                                                        |                                                    | III                    |       |                                                                |                 | SICK AG                                 | Germany     | A                           |                                                          |                 | For In Situ type /Optical Transceiver type & Extractive Type                                                                                                                                                         |
|                                                                                        |                                                    | III                    |       |                                                                |                 | ENEVA                                   | UK          | A                           |                                                          |                 | For Extractive Type Dust density analyser                                                                                                                                                                            |
| 12                                                                                     | Electrical Actuators                               |                        |       |                                                                |                 |                                         |             |                             |                                                          |                 |                                                                                                                                                                                                                      |
| 12-A                                                                                   | Electrical Actuator (With gear box if applicable ) |                        |       |                                                                |                 |                                         |             |                             |                                                          |                 |                                                                                                                                                                                                                      |
|                                                                                        |                                                    | II                     |       |                                                                |                 | Antrieb Technik Pvt Ltd                 | Chennai     | A                           |                                                          |                 | For low torque applications only                                                                                                                                                                                     |
|                                                                                        |                                                    | II                     |       |                                                                |                 | Auma                                    | Bengaluru   | A                           |                                                          |                 |                                                                                                                                                                                                                      |
|                                                                                        |                                                    | II                     |       |                                                                |                 | Limitorque                              | Faridabad   | A                           |                                                          |                 | Model no L120,SMB,L,Y series, Gear Box T. HBC Series                                                                                                                                                                 |
|                                                                                        |                                                    | II                     |       |                                                                |                 | Rotorik                                 | Bengaluru   | A                           |                                                          |                 | For low torque app (Up to 1000 Nm )                                                                                                                                                                                  |



PROJECT : Lara-II ( 2X800MW)  
PACKAGE : EPC PACKAGES  
CONTRACTOR:  
CONTRACT NO :

| PROJECT : Laxali ( 2X800MW)<br>PACKAGE : EPC PACKAGES<br>CONTRACTOR:<br>CONTRACT NO : |                                                                                   | LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL |       |                    |                 |                                                          |                 |                             | REVISION NO : 00<br>DATE :07.06.2022<br>SUB SECTION: C&I |                 |                                                                                                                                                               |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------|-------|--------------------|-----------------|----------------------------------------------------------|-----------------|-----------------------------|----------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sr No                                                                                 | Item Description                                                                  | QP Inspection Category                                         | QP No | QP submis sion SCH | QP approval SCH | Proposed Sub Supplier                                    | Country         | SS Approval_Status (Note-I) | SS Detail Sub.SCH                                        | SS Approval SCH | Remark                                                                                                                                                        |
|                                                                                       |                                                                                   | II                                                             |       |                    |                 | Rotork Controls (India) Private Ltd                      | Chennai         | A                           |                                                          |                 | For low torque app (Up to 1000 Nm ) & High torque 4000 to 7000 Nm With integral starter for non critical applications                                         |
|                                                                                       |                                                                                   | III                                                            |       |                    |                 | Auma                                                     | Germany         | A                           |                                                          |                 |                                                                                                                                                               |
|                                                                                       |                                                                                   | III                                                            |       |                    |                 | Limitorque                                               | USA             | A                           |                                                          |                 |                                                                                                                                                               |
|                                                                                       |                                                                                   | III                                                            |       |                    |                 | Rotork                                                   | UK              | A                           |                                                          |                 | For low torque app (Up to 1000 Nm)                                                                                                                            |
|                                                                                       |                                                                                   | III                                                            |       |                    |                 | Nippon gear                                              | Japan           | A                           |                                                          |                 |                                                                                                                                                               |
|                                                                                       |                                                                                   | III                                                            |       |                    |                 | Drehmo GMBH                                              | Germany         | A                           |                                                          |                 | C Matic Series (DMC/DMCR)                                                                                                                                     |
| 12-B                                                                                  | Electrical Actuator- Non-Intrusive (With gear box if applicable )                 |                                                                |       |                    |                 |                                                          |                 |                             |                                                          |                 |                                                                                                                                                               |
|                                                                                       |                                                                                   | I                                                              |       |                    |                 | Auma India Pvt Ltd                                       | Bengaluru       | A                           |                                                          |                 | Also acceptable for Field Bus based applicable upto 630 Nm                                                                                                    |
|                                                                                       |                                                                                   | I                                                              |       |                    |                 | Rotork Control                                           | Chennai         | A                           |                                                          |                 | Also acceptable for Field Bus based applicable                                                                                                                |
|                                                                                       |                                                                                   | III                                                            |       |                    |                 | Flowserve                                                | USA             | A                           |                                                          |                 |                                                                                                                                                               |
|                                                                                       |                                                                                   | III                                                            |       |                    |                 | Bernard Controls                                         | France          | A                           |                                                          |                 |                                                                                                                                                               |
| 12-C                                                                                  | Electrical actuator for ID/FD/PA Blade pitch ,IGV &SCOOP                          |                                                                |       |                    |                 |                                                          |                 |                             |                                                          |                 |                                                                                                                                                               |
|                                                                                       |                                                                                   | III                                                            |       |                    |                 | Harold Beck & Sons Inc                                   | USA             | A                           |                                                          |                 |                                                                                                                                                               |
|                                                                                       |                                                                                   | III                                                            |       |                    |                 | SIPOS Aktronik GmbH                                      | Germany         | A                           |                                                          |                 |                                                                                                                                                               |
| 13                                                                                    | Electronics Transmitter (Pressure , DP and DP based Flow/Level )                  |                                                                |       |                    |                 |                                                          |                 |                             |                                                          |                 |                                                                                                                                                               |
| 13-A                                                                                  | Electronics Transmitter (Pressure , DP and DP based Flow/Level )                  |                                                                |       |                    |                 |                                                          |                 |                             |                                                          |                 |                                                                                                                                                               |
|                                                                                       |                                                                                   | III                                                            |       |                    |                 | ABB Ltd                                                  | Bengaluru       | A                           |                                                          |                 | 2600T & critical item from ABB Italy/ Their approved source;                                                                                                  |
|                                                                                       |                                                                                   | III                                                            |       |                    |                 | Emerson Process Management Ltd                           | Pawane          | A                           |                                                          |                 |                                                                                                                                                               |
|                                                                                       |                                                                                   | III                                                            |       |                    |                 | Siemens Ltd                                              | Thane           | A                           |                                                          |                 | Model-SITRANS P                                                                                                                                               |
|                                                                                       |                                                                                   | III                                                            |       |                    |                 | Honeywell Automation India Ltd                           | Pune            | A                           |                                                          |                 |                                                                                                                                                               |
|                                                                                       |                                                                                   | III                                                            |       |                    |                 | Baldota Control and Equipment Pvt Ltd                    | Navi Mumbai     | A                           |                                                          |                 | PT & DPT of LD 301 Series (SMAR)                                                                                                                              |
|                                                                                       |                                                                                   | III                                                            |       |                    |                 | Yokogawa India Limited                                   | Bengaluru       | A                           |                                                          |                 | EJA-E 110.430.530 SERIES & all raw material and BOI under knocked down condition ( sensor assembly as a single unit) shall be sourced from M/S Yokogawa Japan |
|                                                                                       |                                                                                   | III                                                            |       |                    |                 | M/s Endress + Hauser India Automation Instrument Pvt Ltd | Aurangabad      | A                           |                                                          |                 |                                                                                                                                                               |
|                                                                                       |                                                                                   | III                                                            |       |                    |                 | Emerson (Rosemount)                                      | USA             | A                           |                                                          |                 |                                                                                                                                                               |
|                                                                                       |                                                                                   | III                                                            |       |                    |                 | Yokogawa                                                 | Japan           | A                           |                                                          |                 |                                                                                                                                                               |
|                                                                                       |                                                                                   | III                                                            |       |                    |                 | ABB                                                      | Germany / Italy | A                           |                                                          |                 | 2600T & critical item from ABB Italy/ Their approved source;                                                                                                  |
|                                                                                       |                                                                                   | III                                                            |       |                    |                 | Siemens                                                  | France          | A                           |                                                          |                 | Sitrans P DSIII Series                                                                                                                                        |
|                                                                                       |                                                                                   | III                                                            |       |                    |                 | Fuji Electric                                            | France          | A                           |                                                          |                 | FCX -AIII SERIES                                                                                                                                              |
|                                                                                       |                                                                                   | III                                                            |       |                    |                 | Fuji                                                     | Japan           | A                           |                                                          |                 |                                                                                                                                                               |
| 13-B                                                                                  | Electronics Transmitter -Field Bus Based (Pressure , DP and DP based Flow/Level ) |                                                                |       |                    |                 |                                                          |                 |                             |                                                          |                 |                                                                                                                                                               |
|                                                                                       |                                                                                   | I                                                              |       |                    |                 | ABB India Ltd                                            | Bengaluru       | A                           |                                                          |                 | One no of Transmitter will be sent at DDCMIS supplier for function testing of field bus communication with DDCMIS during FAT                                  |
| 14                                                                                    | EQMS                                                                              |                                                                |       |                    |                 |                                                          |                 |                             |                                                          |                 |                                                                                                                                                               |

| PROJECT : Lara-II ( 2X800MW)<br>PACKAGE : EPC PACKAGES<br>CONTRACTOR:<br>CONTRACT NO : |                                   |                        |       |                   |                 |                                                                               | LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL |                             |                   |                 | REVISION NO : 00<br>DATE :07.06.2022<br>SUB SECTION: C&I                                                                                                                                                                                                                                                                                                                                                                                            |  |
|----------------------------------------------------------------------------------------|-----------------------------------|------------------------|-------|-------------------|-----------------|-------------------------------------------------------------------------------|----------------------------------------------------------------|-----------------------------|-------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Sr No                                                                                  | Item Description                  | QP Inspection Category | QP No | QP submission SCH | QP approval SCH | Proposed Sub Supplier                                                         | Country                                                        | SS Approval_Status (Note-I) | SS Detail Sub.SCH | SS Approval SCH | Remark                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
|                                                                                        |                                   | I                      |       |                   |                 | SWAN                                                                          | Hyderabad                                                      | A                           |                   |                 | 1. Conductivity analyser, pH analyser and Temperature Transmitter will be of M/s ABB, UK make .<br>2. TSS analyser will be of M/s Daeyoon, South Korea make .<br>3. Oil in water analyser will be of M/s TriOs, Germany make.<br>4. Online BOD/COD analyser will be of M/s Shimadzu, Japan make .<br>5. Flow meter will be of M/s Khrono Marshall, Maharashtra make.<br>6. Data Acquisition System will be procured from Knowledge Lens, Karnataka. |  |
| 15                                                                                     | Fiber optic cable                 | Note-3                 |       |                   |                 | U M Cables Ltd                                                                | Silvassa (Daman)                                               | A                           |                   |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|                                                                                        |                                   | Note-3                 |       |                   |                 | KEC International Ltd                                                         | Mysore                                                         | A                           |                   |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|                                                                                        |                                   | Note-3                 |       |                   |                 | Apar Industries Limited                                                       | Valsad (Gujrat)                                                | A                           |                   |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|                                                                                        |                                   | Note-3                 |       |                   |                 | HFCL                                                                          | Goa                                                            | A                           |                   |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|                                                                                        |                                   | Note-3                 |       |                   |                 | Aksh Fibre                                                                    | Bhiwadi (Raj)                                                  | A                           |                   |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|                                                                                        |                                   | Note-3                 |       |                   |                 | Finolex Cable Ltd                                                             | Goa                                                            | A                           |                   |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|                                                                                        |                                   | Note-3                 |       |                   |                 | Birla Cable Limited                                                           | Rewa                                                           | A                           |                   |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|                                                                                        |                                   | Note-3                 |       |                   |                 | R&M                                                                           | Switzerland                                                    | A                           |                   |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|                                                                                        |                                   | Note-3                 |       |                   |                 | Molex                                                                         | UK                                                             | A                           |                   |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|                                                                                        |                                   | Note-3                 |       |                   |                 | Corning                                                                       | USA                                                            | A                           |                   |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| 16                                                                                     | Fire alarm Panel                  | II                     |       |                   |                 | Toshniwal Industrial Pvt Ltd                                                  | Ajmer                                                          | A                           |                   |                 | 1.M/S Notifier Make Fire alarm Panel<br>2.PI Refer Note-07                                                                                                                                                                                                                                                                                                                                                                                          |  |
|                                                                                        |                                   | II                     |       |                   |                 | Bosch Security system                                                         | Bengaluru                                                      | A                           |                   |                 | 1.Detector , Hooter, MCP, Modules, Panel shall be M/s Bosch Make                                                                                                                                                                                                                                                                                                                                                                                    |  |
|                                                                                        |                                   | II                     |       |                   |                 | Notifier                                                                      | USA                                                            | A                           |                   |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|                                                                                        |                                   | II                     |       |                   |                 | Autronica                                                                     | Norway                                                         | A                           |                   |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|                                                                                        |                                   | II                     |       |                   |                 | Schrack                                                                       | Austria                                                        | A                           |                   |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|                                                                                        |                                   | II                     |       |                   |                 | Edwards                                                                       | Mexico                                                         | A                           |                   |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|                                                                                        |                                   | II                     |       |                   |                 | Shield Fire safety and security Ltd                                           | UK                                                             | A                           |                   |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|                                                                                        |                                   | II                     |       |                   |                 | Jonson Controls                                                               | USA                                                            | A                           |                   |                 | Simplex Brand                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| 17                                                                                     | Flame Monitoring System (Scanner) | I                      |       |                   |                 | Lucent Marcons Pvt Ltd<br>( System Integrator of M/S Forney Corporation USA ) | Noida                                                          | A                           |                   |                 | 1.Flame detector, amplifier ,light guide fiber optic , smart display programming unit , test kit & simulator will be supplied from M/S Forney Corporation USA<br>2.Other components like outer carrier ,IDD cable with connector , expander , Y connector with adapter gasket , fastners & signal isolators will be supplied from M/S Forney Corporation USA approved sources .<br>3.PI Refer Note-7                                                |  |



PROJECT : Lara-II ( 2X800MW)  
PACKAGE : EPC PACKAGES  
CONTRACTOR:  
CONTRACT NO :

| Sr No |  | Item Description       | PROJECT : Laxali ( 2X800MW)<br>PACKAGE : EPC PACKAGES<br>CONTRACTOR:<br>CONTRACT NO : |       |                             |                                                                          |                       | LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL |                                |                         |                                                                                                                                                                                                                                                                            | REVISION NO : 00<br>DATE :07.06.2022<br>SUB SECTION: C&I |  |
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|       |  |                        | QP<br>Inspection<br>Category                                                          | QP No | QP<br>submis<br>sion<br>SCH | QP<br>approv<br>al SCH                                                   | Proposed Sub Supplier | Country                                                        | SS Approval_Status<br>(Note-I) | SS<br>Detail<br>Sub.SCH | SS<br>Approval<br>SCH                                                                                                                                                                                                                                                      | Remark                                                   |  |
|       |  |                        |                                                                                       |       |                             |                                                                          |                       |                                                                |                                |                         |                                                                                                                                                                                                                                                                            |                                                          |  |
|       |  |                        | I                                                                                     |       |                             | HI Tech System & services Ltd<br>( System Integrator of BFI<br>Germany ) | Kolkata               | A                                                              |                                |                         | 1.For BFI Germany make system<br>2. PI Refer Note-7                                                                                                                                                                                                                        |                                                          |  |
|       |  |                        | II                                                                                    |       |                             | Durag India Instrumentation Pvt<br>Ltd                                   | Bengaluru             | A                                                              |                                |                         | For Durag Germany make system                                                                                                                                                                                                                                              |                                                          |  |
|       |  |                        | II                                                                                    |       |                             | Fomey Corporation                                                        | USA                   | A                                                              |                                |                         |                                                                                                                                                                                                                                                                            |                                                          |  |
|       |  |                        | II                                                                                    |       |                             | BFI                                                                      | Germany               | A                                                              |                                |                         |                                                                                                                                                                                                                                                                            |                                                          |  |
|       |  |                        | II                                                                                    |       |                             | Durag GmbH                                                               | Germany               | A                                                              |                                |                         |                                                                                                                                                                                                                                                                            |                                                          |  |
|       |  |                        | II                                                                                    |       |                             | Emerson (COEN)                                                           | USA                   | A                                                              |                                |                         |                                                                                                                                                                                                                                                                            |                                                          |  |
|       |  |                        | II                                                                                    |       |                             | BHEL                                                                     | Trichurapalli         | A                                                              |                                |                         |                                                                                                                                                                                                                                                                            |                                                          |  |
|       |  |                        | III                                                                                   |       |                             | Maxon Corporation ( A<br>Honeywell Company)                              | USA                   | A                                                              |                                |                         | Approved for Aux Boiler                                                                                                                                                                                                                                                    |                                                          |  |
| 18    |  | Flow nozzle assembly   |                                                                                       |       |                             |                                                                          |                       |                                                                |                                |                         |                                                                                                                                                                                                                                                                            |                                                          |  |
|       |  |                        | I                                                                                     |       |                             | Microprecision Product Pvt Ltd                                           | Palwal                | A                                                              |                                |                         | Up to Alloy steel material grade P-92 &<br>other conditions as per approval letter                                                                                                                                                                                         |                                                          |  |
|       |  |                        | I                                                                                     |       |                             | Minco India Flow Elements Pvt.<br>Ltd.                                   | Goa                   | A                                                              |                                |                         | Up to size 26 Inches for Alloy steel/<br>Stainless steel pipe SA335 P-11, P-22 and<br>SA 335 P-91 & other conditions as per<br>approval letter                                                                                                                             |                                                          |  |
|       |  |                        | I                                                                                     |       |                             | Instrumentation Limited                                                  | Palakkad<br>(Kerala)  | A                                                              |                                |                         | Up to alloy steel grade P-92 subject to<br>qualified WPS & other conditions as per<br>approval letter                                                                                                                                                                      |                                                          |  |
|       |  |                        | I                                                                                     |       |                             | Starmech controls (India) Pvt Ltd                                        | Pune                  | A                                                              |                                |                         | Up to alloy steel grade P-92 subject to<br>qualified WPS & other conditions as per<br>approval letter                                                                                                                                                                      |                                                          |  |
|       |  |                        | II                                                                                    |       |                             | SEIKO                                                                    | Czech Republic        | A                                                              |                                |                         |                                                                                                                                                                                                                                                                            |                                                          |  |
|       |  |                        | II                                                                                    |       |                             | WISE Control                                                             | S.Korea               | A                                                              |                                |                         |                                                                                                                                                                                                                                                                            |                                                          |  |
|       |  |                        | II                                                                                    |       |                             | Technomatic                                                              | Italy                 | A                                                              |                                |                         |                                                                                                                                                                                                                                                                            |                                                          |  |
| 19    |  | Flue Gas Analyser (CO) |                                                                                       |       |                             |                                                                          |                       |                                                                |                                |                         |                                                                                                                                                                                                                                                                            |                                                          |  |
|       |  |                        | III                                                                                   |       |                             | Forbes Marshall Pvt Ltd                                                  | Pune                  | A                                                              |                                |                         | For In situ type CO analyser                                                                                                                                                                                                                                               |                                                          |  |
|       |  |                        |                                                                                       |       |                             |                                                                          |                       |                                                                |                                |                         | For In situ type CO analyser<br>1. CO analyser from Protea UK<br>2. Other components like, Mounting<br>Flanges, tubing, fittings ,junction boxes,<br>air purging system , calibration cylinders<br>& cables will be supplied by ICE (Asia)<br>Pvt Ltd<br>3.PI refer Note-7 |                                                          |  |
|       |  |                        | III                                                                                   |       |                             | ICE (Asia) Pvt Ltd                                                       | Mumbai                | A                                                              |                                |                         | For In Situ Type / CO analyser from SICK<br>AG & Other components like ,Protection<br>tube ,Flanges ,tubing ,fittings ,junction<br>boxes, solenoid<br>valves & calibration cylinders will be<br>supplied by M/S Sick India Pvt Ltd .                                       |                                                          |  |
|       |  |                        | III                                                                                   |       |                             | Sick India Pvt Ltd                                                       | Mumbai                | A                                                              |                                |                         | For M/S Emerson Germany/ USA make<br>Analyser                                                                                                                                                                                                                              |                                                          |  |
|       |  |                        | III                                                                                   |       |                             | Emerson Process Management<br>Ltd                                        | Pawane                | A                                                              |                                |                         |                                                                                                                                                                                                                                                                            |                                                          |  |
|       |  |                        | III                                                                                   |       |                             | Codel                                                                    | UK                    | A                                                              |                                |                         |                                                                                                                                                                                                                                                                            |                                                          |  |
|       |  |                        | III                                                                                   |       |                             | Land Instruments International                                           | UK                    | A                                                              |                                |                         |                                                                                                                                                                                                                                                                            |                                                          |  |
|       |  |                        | III                                                                                   |       |                             | Sick AG                                                                  | Germany               | A                                                              |                                |                         | For In Situ Type                                                                                                                                                                                                                                                           |                                                          |  |
|       |  |                        | III                                                                                   |       |                             | Environnement SA                                                         | France                | A                                                              |                                |                         | For Hot Extractive                                                                                                                                                                                                                                                         |                                                          |  |
|       |  |                        | III                                                                                   |       |                             | Fuji Electric                                                            | Japan                 | A                                                              |                                |                         |                                                                                                                                                                                                                                                                            |                                                          |  |
|       |  |                        | III                                                                                   |       |                             | Servo max Group                                                          | UK                    | A                                                              |                                |                         |                                                                                                                                                                                                                                                                            |                                                          |  |
|       |  |                        | III                                                                                   |       |                             | Siemens                                                                  | Germany               | A                                                              |                                |                         |                                                                                                                                                                                                                                                                            |                                                          |  |



| Sr No |  | Item Description                      | PROJECT : Lara-II ( 2X800MW)<br>PACKAGE : EPC PACKAGES<br>CONTRACTOR:<br>CONTRACT NO : |       |                    |                 |                                  | LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL |                             |                   |                 | REVISION NO : 00<br>DATE :07.06.2022<br>SUB SECTION: C&I                                                                                                                                                                                                                      |  |
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|       |  |                                       | QP Inspection Category                                                                 | QP No | QP submis sion SCH | QP approval SCH | Proposed Sub Supplier            | Country                                                        | SS Approval_Status (Note-I) | SS Detail Sub.SCH | SS Approval SCH | Remark                                                                                                                                                                                                                                                                        |  |
|       |  |                                       |                                                                                        |       |                    |                 |                                  |                                                                |                             |                   |                 |                                                                                                                                                                                                                                                                               |  |
| 20    |  | Flue Gas Analyser (CO2,SO2 and Nox)   | III                                                                                    |       |                    |                 | Sick India Pvt Ltd               | Mumbai                                                         | A                           |                   |                 | For In Situ Type SO2 analyser<br>1. Analyser will be from Sick AG Germany<br>2. Other components like ,Whether proof covers ,flanges ,purge air unit ,junction boxes ,cables ,PC ,remote display ,gas cylinders shall be supplied by M/s Sick India Pvt Ltd                   |  |
|       |  |                                       | III                                                                                    |       |                    |                 | Emerson Process Management Ltd   | Pawane                                                         | A                           |                   |                 | For M/s Emerson Germany/ USA make Hot Extractive SO2, NOx Analyser                                                                                                                                                                                                            |  |
|       |  |                                       | III                                                                                    |       |                    |                 | Environement SA                  | France                                                         | A                           |                   |                 | For Hot Extractive                                                                                                                                                                                                                                                            |  |
|       |  |                                       | III                                                                                    |       |                    |                 | Fuji Electric                    | Japan                                                          | A                           |                   |                 | Hot Extractive Type For SO2 & Nox                                                                                                                                                                                                                                             |  |
|       |  |                                       | III                                                                                    |       |                    |                 | Siemens                          | Germany                                                        | A                           |                   |                 | Hot Extractive Type For SO2 & Nox                                                                                                                                                                                                                                             |  |
|       |  |                                       | III                                                                                    |       |                    |                 | Yokogawa Electric Corporation    | Japan                                                          | A                           |                   |                 | IR-400 Series (Hot Extractive Type For CO2, SO2 & NOx)                                                                                                                                                                                                                        |  |
|       |  |                                       | III                                                                                    |       |                    |                 | Servo max Group                  | UK                                                             | A                           |                   |                 | Hot Extractive Type For SO2 & Nox                                                                                                                                                                                                                                             |  |
|       |  |                                       | III                                                                                    |       |                    |                 | Sick AG                          | Germany                                                        | A                           |                   |                 | Hot Extractive Type For CO2, SO2 & NOx and In situ type for SO2 analyser                                                                                                                                                                                                      |  |
| 21    |  | Flue Gas Analyser O2 Analyser (HT)    | III                                                                                    |       |                    |                 | SECO                             | Chennai                                                        | A                           |                   |                 |                                                                                                                                                                                                                                                                               |  |
|       |  |                                       | III                                                                                    |       |                    |                 | Marathon Monitor                 | USA                                                            | A                           |                   |                 |                                                                                                                                                                                                                                                                               |  |
|       |  |                                       | III                                                                                    |       |                    |                 | Servo max Group                  | UK                                                             | A                           |                   |                 |                                                                                                                                                                                                                                                                               |  |
| 22    |  | Flue Gas Analyser {O2 Analyser (LT)}  |                                                                                        |       |                    |                 |                                  |                                                                |                             |                   |                 |                                                                                                                                                                                                                                                                               |  |
|       |  |                                       | III                                                                                    |       |                    |                 | Sick India Pvt Ltd               | Mumbai                                                         | A                           |                   |                 | For In Situ Type<br>1. Analyser will be from Sick AG Germany<br>2. Other components like ,Whether proof covers ,flanges ,purge air unit ,junction boxes ,cables ,PC ,remote display ,gas cylinders shall be supplied by M/s Sick India Pvt Ltd                                |  |
|       |  |                                       | III                                                                                    |       |                    |                 | Analysier Instruments Co Pvt Ltd | Kota                                                           | A                           |                   |                 | For In Situ Type<br>1.Main parts like Sample probe & Analyser will be supplied by M/s Enotec Germany.<br>2. Other components like auto calibration unit ,probe protector ,enclosure panel & calibration kit will be supplied & integrated M/s AIC kota.<br>3.PI refer Note-07 |  |
|       |  |                                       | III                                                                                    |       |                    |                 | Emerson Process Management Ltd   | Pawane                                                         | A                           |                   |                 | For In Situ Type<br>For M/s Emerson USA make Analyser                                                                                                                                                                                                                         |  |
|       |  |                                       | III                                                                                    |       |                    |                 | ABB                              | Bengaluru                                                      | A                           |                   |                 | For In Situ Type<br>For M/s ABB UK make Analyser                                                                                                                                                                                                                              |  |
|       |  |                                       | III                                                                                    |       |                    |                 | Yokogawa India                   | Bengaluru                                                      | A                           |                   |                 | For In Situ Type<br>For M/s Yokogawa Japan make Analyser                                                                                                                                                                                                                      |  |
|       |  |                                       | III                                                                                    |       |                    |                 | Enotech GmbH                     | Germany                                                        | A                           |                   |                 | For In Situ Type                                                                                                                                                                                                                                                              |  |
|       |  |                                       | III                                                                                    |       |                    |                 | Anetek                           | USA                                                            | A                           |                   |                 | For In Situ Type                                                                                                                                                                                                                                                              |  |
|       |  |                                       | III                                                                                    |       |                    |                 | Yokogawa Electric Corporation    | Japan                                                          | A                           |                   |                 | For In Situ Type                                                                                                                                                                                                                                                              |  |
|       |  |                                       | III                                                                                    |       |                    |                 | Servo max Group                  | UK                                                             | A                           |                   |                 | For In Situ Type                                                                                                                                                                                                                                                              |  |
|       |  |                                       | III                                                                                    |       |                    |                 | Sick AG                          | Germany                                                        | A                           |                   |                 | For In Situ Type                                                                                                                                                                                                                                                              |  |
| 23    |  | Continuous Emission Monitoring system |                                                                                        |       |                    |                 |                                  |                                                                |                             |                   |                 |                                                                                                                                                                                                                                                                               |  |



PROJECT : Lara-II ( 2X800MW)  
PACKAGE : EPC PACKAGES  
CONTRACTOR :  
CONTRACT NO :

| PROJECT : Lara-II ( 2X800MW)<br>PACKAGE : EPC PACKAGES<br>CONTRACTOR:<br>CONTRACT NO. : |                                                                 |                        |       |                    |                 |                                                                                     | LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL |                             |                   |                 |                                                                                                                                                                                                                                                                                                           | REVISION NO : 00<br>DATE :07.06.2022<br>SUB SECTION: C&I |
|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------|------------------------|-------|--------------------|-----------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------|-----------------------------|-------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| Sr No                                                                                   | Item Description                                                | QP Inspection Category | QP No | QP submis sion SCH | QP approval SCH | Proposed Sub Supplier                                                               | Country                                                        | SS Approval_Status (Note-I) | SS Detail Sub.SCH | SS Approval SCH | Remark                                                                                                                                                                                                                                                                                                    |                                                          |
|                                                                                         |                                                                 | I                      |       |                    |                 | Horiba India Pvt Ltd                                                                | Pune                                                           | A                           |                   |                 | Approval conditions as per approval letter no - CQA/NTPC Mauda-II / H-521 / M/S Horiba India Pvt Ltd Dated 03.10.2019                                                                                                                                                                                     |                                                          |
|                                                                                         |                                                                 | I                      |       |                    |                 | Yokogawa India Ltd                                                                  | Bengaluru                                                      | A                           |                   |                 | 1. SO2,NOx & CO2 Analyser will be from M/S Yokogawa Electric Corporation Japan<br>2.Other Conditional as per approval letter no Ref. No.:CQA/BARH-I / Y-023/ M/s Yokogawa India Ltd dated 21.05.2020                                                                                                      |                                                          |
|                                                                                         |                                                                 | I                      |       |                    |                 | Adage Automation Pvt Ltd.                                                           | Goa                                                            | A                           |                   |                 | For M/s Siemens Germany make SO2,NOx & CO2 Analysers                                                                                                                                                                                                                                                      |                                                          |
|                                                                                         |                                                                 |                        |       |                    |                 |                                                                                     |                                                                |                             |                   |                 | Approved only for Dilution Extractive Technique<br>1)Analyser (SO2,NOx,CO,CO2,Mercury ), sampling probe ,sample handling system ,umbical cord etc to be supplied from M/S Thermo Fisher USA .<br>2) Other BOI shall be as per LOA approved sources                                                        |                                                          |
|                                                                                         |                                                                 | I                      |       |                    |                 | Emerson Process Management India Pvt Ltd                                            | Pawane                                                         | A                           |                   |                 | For M/s Emerson Germany make SO2,NOx & CO2 Analysers other conditions as per approval letter.                                                                                                                                                                                                             |                                                          |
|                                                                                         |                                                                 | I                      |       |                    |                 | Analysar Instruments Co Pvt Ltd                                                     | Kota                                                           | A                           |                   |                 | Analysers from Fuji Japan & other BOI shall be as per LOA approved sources .                                                                                                                                                                                                                              |                                                          |
|                                                                                         |                                                                 | I                      |       |                    |                 | Envoirement SA India Pvt Ltd                                                        | Navi Mumbai                                                    | A                           |                   |                 | Hot Extractive Type /<br>1.Multipoint gas Analyzers MIR-9000 for SO2, NOx,CO2 & CO ,Probe ,Nafyon drier & heater for drier will be of M/S Environment SA France make.<br>2. Other components shall be as per the approval letter ref no CQA/NTPC Telangana/E-335/M/SEnvoirement SA India dated 12.02.2019 |                                                          |
| 24                                                                                      | Furnace Flame viewing system (High Temperature CCTV Components) |                        |       |                    |                 |                                                                                     |                                                                |                             |                   |                 |                                                                                                                                                                                                                                                                                                           |                                                          |
|                                                                                         |                                                                 | III                    |       |                    |                 | Sertel Electronics Pvt. Ltd.                                                        | Chennai                                                        | A                           |                   |                 | Approved for Visible type only                                                                                                                                                                                                                                                                            |                                                          |
|                                                                                         |                                                                 | III                    |       |                    |                 | Hi Tech System and Service (System Integrator of M/S Lenox USA )                    | Kolkata                                                        | A                           |                   |                 | 1.M/S Lenox USA Make System<br>2.PI refer Note-07                                                                                                                                                                                                                                                         |                                                          |
|                                                                                         |                                                                 | III                    |       |                    |                 | Durag India Instrumentation Pvt Ltd                                                 | Bengaluru                                                      | A                           |                   |                 | 1.Complete Camera Assembly, IRIS Control etc. from Durag Germany<br>2.Other Component like chiller, vedio monitor, OFC ,Panel from M/S Durag<br>Approved sources                                                                                                                                          |                                                          |
|                                                                                         |                                                                 | III                    |       |                    |                 | TLT Engg Pvt. Ltd (System Integrator of M/S Diamond Power USA/ Sweden make system ) | Kolkata                                                        | A                           |                   |                 | 1.M/S Diamond Power USA/ Sweden make system<br>2.PI refre Note-07                                                                                                                                                                                                                                         |                                                          |
|                                                                                         |                                                                 | III                    |       |                    |                 | Toshniwal Industries (System Integrator of M/S Mirion UK make system )              | Ajmer                                                          | A                           |                   |                 | 1. M/S Mirion UK make system<br>2.PI refer Note-07                                                                                                                                                                                                                                                        |                                                          |
|                                                                                         |                                                                 | III                    |       |                    |                 | Diamond Power                                                                       | USA / Sweden                                                   | A                           |                   |                 |                                                                                                                                                                                                                                                                                                           |                                                          |



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|-----------------------------------------------------------------------------------------|-----------------------------|------------------------|-------|-------------------|-----------------|----------------------------------------------------------------|-------------------------|-----------------------------|-------------------|-----------------|---------------------------------------------------------------------------------------------------------------------|--|
| Sr No                                                                                   | Item Description            | QP Inspection Category | QP No | QP submission SCH | QP approval SCH | Proposed Sub Supplier                                          | Country                 | SS Approval_Status (Note-I) | SS Detail Sub.SCH | SS Approval SCH | Remark                                                                                                              |  |
|                                                                                         |                             | III                    |       |                   |                 | Durag GmbH                                                     | Germany                 | A                           |                   |                 | D-VTA-201                                                                                                           |  |
|                                                                                         |                             | III                    |       |                   |                 | Lenox                                                          | USA                     | A                           |                   |                 |                                                                                                                     |  |
|                                                                                         |                             | III                    |       |                   |                 | Miron                                                          | UK                      | A                           |                   |                 |                                                                                                                     |  |
|                                                                                         |                             | III                    |       |                   |                 | Piper GmbH                                                     | Germany                 | A                           |                   |                 |                                                                                                                     |  |
|                                                                                         |                             | III                    |       |                   |                 | Sabota GmbH                                                    | Germany                 | A                           |                   |                 |                                                                                                                     |  |
| 25                                                                                      | H2 Gas Analyser             |                        |       |                   |                 |                                                                |                         |                             |                   |                 |                                                                                                                     |  |
|                                                                                         |                             | I                      |       |                   |                 | ABB India Ltd                                                  | Bengaluru               | A                           |                   |                 | M/s ABB Germany /UK Make analyser                                                                                   |  |
|                                                                                         |                             | I                      |       |                   |                 | Adage Automation Pvt. Ltd                                      | Goa                     | A                           |                   |                 | 1.M/s Siemens, Germany (Calomat 6) Make analyser<br>2. PI refer Note-07                                             |  |
|                                                                                         |                             | I                      |       |                   |                 | Yokogawa India ltd                                             | Bengaluru               | A                           |                   |                 | M/s Yokogawa Japan (Gas Densitybased ) Make analyser                                                                |  |
|                                                                                         |                             | I                      |       |                   |                 | SIEMENS                                                        | Gurugram                | A                           |                   |                 | M/s Siemens, Germany (Calomat 6) Make analyser                                                                      |  |
|                                                                                         |                             | III                    |       |                   |                 | GE Sensing EMEA                                                | Ireland                 | A                           |                   |                 | Conductivity based                                                                                                  |  |
|                                                                                         |                             | III                    |       |                   |                 | ABB                                                            | UK                      | A                           |                   |                 |                                                                                                                     |  |
|                                                                                         |                             | III                    |       |                   |                 | Emerson (Rosemount)                                            | USA                     | A                           |                   |                 |                                                                                                                     |  |
|                                                                                         |                             | III                    |       |                   |                 | Environment One Corporation                                    | USA                     | A                           |                   |                 | Conductivity based                                                                                                  |  |
| 26                                                                                      | HEA ignitor                 |                        |       |                   |                 |                                                                |                         |                             |                   |                 |                                                                                                                     |  |
|                                                                                         |                             | I                      |       |                   |                 | Durag India Instrumentation Pvt Ltd                            | Bengaluru               | A                           |                   |                 | M/S Durag Germany make HEA Ignitor                                                                                  |  |
|                                                                                         |                             | I                      |       |                   |                 | Hindustan Thermometers                                         | Ambala                  | A                           |                   |                 | Conditional as per approval ref no 01/CQA/0270-102 dated 17.09.2012. Spark tip of their own make is also acceptable |  |
|                                                                                         |                             | I                      |       |                   |                 | Fives combustion System Pvt Ltd                                | Vadodara                | A                           |                   |                 |                                                                                                                     |  |
|                                                                                         |                             | I                      |       |                   |                 | Boiler control Pvt Ltd                                         | Pudukkottai (Tamilnadu) | A                           |                   |                 | Approved for Aux Boiler package only                                                                                |  |
|                                                                                         |                             | III                    |       |                   |                 | Unison Industries                                              | USA                     | A                           |                   |                 |                                                                                                                     |  |
|                                                                                         |                             | III                    |       |                   |                 | Durag GmbH                                                     | Germany                 | A                           |                   |                 |                                                                                                                     |  |
|                                                                                         |                             | III                    |       |                   |                 | Ignition system INC                                            | USA                     | A                           |                   |                 |                                                                                                                     |  |
|                                                                                         |                             | III                    |       |                   |                 | Tesi SPA                                                       | Italy                   | A                           |                   |                 |                                                                                                                     |  |
| 27                                                                                      | High Temp. cable (PTFE/FEP) |                        |       |                   |                 |                                                                |                         |                             |                   |                 |                                                                                                                     |  |
|                                                                                         |                             | II                     |       |                   |                 | Thermocables                                                   | Hyderabad               | A                           |                   |                 |                                                                                                                     |  |
|                                                                                         |                             | II                     |       |                   |                 | Tempsons                                                       | Udaipur                 | A                           |                   |                 |                                                                                                                     |  |
|                                                                                         |                             | II                     |       |                   |                 | Habia cables                                                   | Sweden                  | A                           |                   |                 |                                                                                                                     |  |
|                                                                                         |                             | II                     |       |                   |                 | Thermo Electrica BV                                            | Netherland              | A                           |                   |                 |                                                                                                                     |  |
|                                                                                         |                             | II                     |       |                   |                 | Lapp cables                                                    | Germany                 | A                           |                   |                 |                                                                                                                     |  |
|                                                                                         |                             | II                     |       |                   |                 | Kerpen cables                                                  | Germany                 | A                           |                   |                 |                                                                                                                     |  |
|                                                                                         |                             | II                     |       |                   |                 | TEW & C                                                        | USA                     | A                           |                   |                 |                                                                                                                     |  |
| 28                                                                                      | Impulse Pipes/Tubes         |                        |       |                   |                 |                                                                |                         |                             |                   |                 |                                                                                                                     |  |
|                                                                                         |                             | II                     |       |                   |                 | Maharashtra Seamless                                           | Raigarh                 | A                           |                   |                 | For CS Pipes only                                                                                                   |  |
|                                                                                         |                             | II                     |       |                   |                 | Ratnamani Metals and Tubes                                     | Gandhinagar             | A                           |                   |                 | For SS only.                                                                                                        |  |
|                                                                                         |                             | II                     |       |                   |                 | Heavy Metals and Tubes                                         | Gandhinagar             | A                           |                   |                 | For SS & CS only.                                                                                                   |  |
|                                                                                         |                             | II                     |       |                   |                 | ISMT                                                           | Ahamadnagar             | A                           |                   |                 | For CS/ AS upto Gr 22 Pipes only                                                                                    |  |
|                                                                                         |                             | II                     |       |                   |                 | Nippon Steel & Sumitomo Metals corporation                     | Japan                   | A                           |                   |                 |                                                                                                                     |  |
|                                                                                         |                             | II                     |       |                   |                 | TPS Tecnitube                                                  | Germany                 | A                           |                   |                 |                                                                                                                     |  |
|                                                                                         |                             | II                     |       |                   |                 | Veluric & Manessmann                                           | Germany                 | A                           |                   |                 |                                                                                                                     |  |
|                                                                                         |                             | II                     |       |                   |                 | Tronvay and Cauvin                                             | France                  | A                           |                   |                 |                                                                                                                     |  |
|                                                                                         |                             | II                     |       |                   |                 | Sandvik                                                        | Sweden                  | A                           |                   |                 | For SS only                                                                                                         |  |



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| Sr No |  | Item Description                               | PROJECT : Lara-Ji ( 2X800MW)<br>PACKAGE : EPC PACKAGES<br>CONTRACTOR:<br>CONTRACT NO. : |       |                             |                                                                                               |                         | LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL |                                |  |                         |                       | REVISION NO : 00<br>DATE :07.06.2022<br>SUB SECTION: C&I |  |  |                                                                                                      |
|-------|--|------------------------------------------------|-----------------------------------------------------------------------------------------|-------|-----------------------------|-----------------------------------------------------------------------------------------------|-------------------------|----------------------------------------------------------------|--------------------------------|--|-------------------------|-----------------------|----------------------------------------------------------|--|--|------------------------------------------------------------------------------------------------------|
|       |  |                                                | QP<br>Inspection<br>Category                                                            | QP No | QP<br>submis<br>sion<br>SCH | QP<br>approv<br>al SCH                                                                        | Proposed Sub Supplier   | Country                                                        | SS Approval_Status<br>(Note-I) |  | SS<br>Detail<br>Sub.SCH | SS<br>Approval<br>SCH | Remark                                                   |  |  |                                                                                                      |
|       |  |                                                |                                                                                         |       |                             |                                                                                               |                         |                                                                |                                |  |                         |                       |                                                          |  |  |                                                                                                      |
| 29    |  | Instrument Cables ( F,G & T/C Cables )         | II                                                                                      |       |                             | Remi Edelstahl                                                                                | Palghar                 | A                                                              |                                |  |                         |                       |                                                          |  |  | F&G Type Cable                                                                                       |
|       |  |                                                | Note-2                                                                                  |       |                             | Goyolene Fibers ( India) Pvt Ltd                                                              | Silvassa                | A                                                              |                                |  |                         |                       |                                                          |  |  |                                                                                                      |
|       |  |                                                | Note-2                                                                                  |       |                             | Temsens Instruments Ind Pvt Ltd                                                               | Udaipur                 | A                                                              |                                |  |                         |                       |                                                          |  |  |                                                                                                      |
|       |  |                                                | Note-2                                                                                  |       |                             | Havells India                                                                                 | Alwar                   | A                                                              |                                |  |                         |                       |                                                          |  |  | F Type Cable                                                                                         |
|       |  |                                                | Note-2                                                                                  |       |                             | Paramount Communication Ltd                                                                   | Khushkhera              | A                                                              |                                |  |                         |                       |                                                          |  |  |                                                                                                      |
|       |  |                                                | Note-2                                                                                  |       |                             | Polycab                                                                                       | Daman                   | A                                                              |                                |  |                         |                       |                                                          |  |  |                                                                                                      |
|       |  |                                                | Note-2                                                                                  |       |                             | Delton                                                                                        | Faridabad               | A                                                              |                                |  |                         |                       |                                                          |  |  |                                                                                                      |
|       |  |                                                | Note-2                                                                                  |       |                             | KEI                                                                                           | Bhiwadi (Raj)           | A                                                              |                                |  |                         |                       |                                                          |  |  |                                                                                                      |
|       |  |                                                | Note-2                                                                                  |       |                             | Elkey Telelinks                                                                               | Faridabad               | A                                                              |                                |  |                         |                       |                                                          |  |  |                                                                                                      |
|       |  |                                                | Note-2                                                                                  |       |                             | CORDS                                                                                         | Kaharani                | A                                                              |                                |  |                         |                       |                                                          |  |  |                                                                                                      |
|       |  |                                                | Note-2                                                                                  |       |                             | CORDS                                                                                         | Bhiwadi                 | A                                                              |                                |  |                         |                       |                                                          |  |  |                                                                                                      |
|       |  |                                                | Note-2                                                                                  |       |                             | Nicco                                                                                         | Kolkata                 | A                                                              |                                |  |                         |                       |                                                          |  |  |                                                                                                      |
|       |  |                                                | Note-2                                                                                  |       |                             | Universal Cable                                                                               | Satna                   | A                                                              |                                |  |                         |                       |                                                          |  |  |                                                                                                      |
|       |  |                                                | Note-2                                                                                  |       |                             | Thermocables                                                                                  | Hyderabad /Mahboobnagar | A                                                              |                                |  |                         |                       |                                                          |  |  |                                                                                                      |
|       |  |                                                | Note-2                                                                                  |       |                             | Gupta Power Infrastructure Ltd.                                                               | Khurda                  | A                                                              |                                |  |                         |                       |                                                          |  |  |                                                                                                      |
|       |  |                                                | Note-2                                                                                  |       |                             | CMI                                                                                           | Faridabad               | A                                                              |                                |  |                         |                       |                                                          |  |  |                                                                                                      |
|       |  |                                                | Note-2                                                                                  |       |                             | Advance Cables Pvt Ltd                                                                        | Bengaluru               | A                                                              |                                |  |                         |                       |                                                          |  |  | F&G Type Cable                                                                                       |
|       |  |                                                | Note-2                                                                                  |       |                             | Genscab Industries Ltd                                                                        | Bhiwadi (Raj)           | A                                                              |                                |  |                         |                       |                                                          |  |  | F&G Type Cable                                                                                       |
|       |  |                                                | Note-2                                                                                  |       |                             | Apar Industries Limited                                                                       | Valsad                  | A                                                              |                                |  |                         |                       |                                                          |  |  | F&G Type Cable                                                                                       |
|       |  |                                                | Note-2                                                                                  |       |                             | Suyog Electricals Ltd                                                                         | Halol (Gujrat)          | A                                                              |                                |  |                         |                       |                                                          |  |  |                                                                                                      |
|       |  |                                                | Note-2                                                                                  |       |                             | Special Cables Pvt Ltd                                                                        | Rudrapur                | A                                                              |                                |  |                         |                       |                                                          |  |  |                                                                                                      |
|       |  |                                                | Note-2                                                                                  |       |                             | T C Communication                                                                             | Ghaziabad               | A                                                              |                                |  |                         |                       |                                                          |  |  |                                                                                                      |
|       |  |                                                | Note-2                                                                                  |       |                             | TEW & C                                                                                       | USA                     | A                                                              |                                |  |                         |                       |                                                          |  |  |                                                                                                      |
|       |  |                                                | Note-2                                                                                  |       |                             | Habia cables                                                                                  | Sweden                  | A                                                              |                                |  |                         |                       |                                                          |  |  |                                                                                                      |
|       |  |                                                | Note-2                                                                                  |       |                             | Kerpen cables                                                                                 | Germany                 | A                                                              |                                |  |                         |                       |                                                          |  |  |                                                                                                      |
|       |  |                                                | Note-2                                                                                  |       |                             | Lapp cables                                                                                   | Germany                 | A                                                              |                                |  |                         |                       |                                                          |  |  |                                                                                                      |
|       |  |                                                | Note-2                                                                                  |       |                             | Thermo electra Bv                                                                             | Netherland              | A                                                              |                                |  |                         |                       |                                                          |  |  |                                                                                                      |
| 30    |  | Intelligent Battery charger 24V DC / DCDB/BHMS | II                                                                                      |       |                             | Chabbi Electricals                                                                            | Jalgaon                 | A                                                              |                                |  |                         |                       |                                                          |  |  | Rectifier module, Controller module and Battery Health monitoring system shall be of M/s Vertiv make |
|       |  |                                                | II                                                                                      |       |                             | Elitek SGS Pvt Ltd                                                                            | Gurugram                | A                                                              |                                |  |                         |                       |                                                          |  |  |                                                                                                      |
| 31    |  | Large Video Screen (LED Based)                 | I                                                                                       |       |                             | Pyrotech Electronics Pvt Ltd                                                                  | Udaipur                 | A                                                              |                                |  |                         |                       |                                                          |  |  |                                                                                                      |
|       |  |                                                | I                                                                                       |       |                             | Delta India Electronics Pvt Ltd                                                               | Gurugram                | A                                                              |                                |  |                         |                       |                                                          |  |  |                                                                                                      |
|       |  |                                                | I                                                                                       |       |                             | Barco Electronics system (P) Ltd                                                              | Noida                   | A                                                              |                                |  |                         |                       |                                                          |  |  |                                                                                                      |
|       |  |                                                | I                                                                                       |       |                             | Planner System Inc                                                                            | USA                     | A                                                              |                                |  |                         |                       |                                                          |  |  |                                                                                                      |
| 32    |  | Level switch- Conductivity type                | II                                                                                      |       |                             | Raman Instruments<br>( System integrator of Delta Morbey/ Emerson Mobrey /Solarttron -Mobrey) | Delhi                   | A                                                              |                                |  |                         |                       |                                                          |  |  | 1.M/S Emerson (Morbey) UK system<br>2.PI refer Note-07                                               |
|       |  |                                                | II                                                                                      |       |                             | Hi Tech System & services Ltd<br>( System Integrator of Levelstate systems Ltd ,UK )          | Kolkata                 | A                                                              |                                |  |                         |                       |                                                          |  |  | 1. M/S Levelstate UK System ,Vessel from M/s Hi Tech<br>2.PI refer Note-07                           |
|       |  |                                                | II                                                                                      |       |                             | BHEL                                                                                          | Trichurapalli           | A                                                              |                                |  |                         |                       |                                                          |  |  |                                                                                                      |



PROJECT : Lara-II ( 2X800MW)  
PACKAGE : EPC PACKAGES  
CONTRACTOR:  
CONTRACT NO :

| Sr No |  | Item Description                | PROJECT : LARA-II ( 2X800MW)<br>PACKAGE : EPC PACKAGES<br>CONTRACTOR:<br>CONTRACT NO. : |       |                             |                                        |                           | LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL |                                |                         |                                                                                                                                                                                                                                      | REVISION NO : 00<br>DATE :07.06.2022<br>SUB SECTION: C&I |  |
|-------|--|---------------------------------|-----------------------------------------------------------------------------------------|-------|-----------------------------|----------------------------------------|---------------------------|----------------------------------------------------------------|--------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--|
|       |  |                                 | QP<br>Inspection<br>Category                                                            | QP No | QP<br>submis<br>sion<br>SCH | QP<br>approv<br>al<br>SCH              | Proposed Sub Supplier     | Country                                                        | SS Approval_Status<br>(Note-I) | SS<br>Detail<br>Sub.SCH | SS<br>Approval<br>SCH                                                                                                                                                                                                                | Remark                                                   |  |
|       |  |                                 |                                                                                         |       |                             |                                        |                           |                                                                |                                |                         |                                                                                                                                                                                                                                      |                                                          |  |
|       |  |                                 |                                                                                         |       |                             |                                        |                           |                                                                |                                |                         |                                                                                                                                                                                                                                      |                                                          |  |
|       |  |                                 | III                                                                                     |       |                             | Emerson -Mobrey (Solatron mobrey)      | UK                        | A                                                              |                                |                         |                                                                                                                                                                                                                                      |                                                          |  |
|       |  |                                 | III                                                                                     |       |                             | Levelstate Systems Ltd                 | UK                        | A                                                              |                                |                         |                                                                                                                                                                                                                                      |                                                          |  |
|       |  |                                 | III                                                                                     |       |                             | Yarway                                 | USA                       | A                                                              |                                |                         |                                                                                                                                                                                                                                      |                                                          |  |
| 33    |  | Local Instrument Enclosure/Rack |                                                                                         |       |                             |                                        |                           |                                                                |                                |                         |                                                                                                                                                                                                                                      |                                                          |  |
|       |  |                                 | I                                                                                       |       |                             | Pyrotech Electronics Pvt. Ltd          | Udaipur                   | A                                                              |                                |                         | BOI from LOA approved sources                                                                                                                                                                                                        |                                                          |  |
|       |  |                                 | I                                                                                       |       |                             | Sajas electrical                       | Trichurapalli (Tamilnadu) | A                                                              |                                |                         | BOI from LOA approved sources                                                                                                                                                                                                        |                                                          |  |
|       |  |                                 | I                                                                                       |       |                             | Prammen                                | Puddukottai (Tamilnadu)   | A                                                              |                                |                         | BOI from LOA approved sources                                                                                                                                                                                                        |                                                          |  |
|       |  |                                 | I                                                                                       |       |                             | Chemin C&I Pvt Limited                 | Puducherry                | A                                                              |                                |                         | 1- BOI from LOA approved sources<br>2- Fabrication at M/s LUFT tech India<br>3- Painting at M/s Supreme Coater & Fabricator                                                                                                          |                                                          |  |
| 34    |  | Master Slave Clock System       |                                                                                         |       |                             |                                        |                           |                                                                |                                |                         |                                                                                                                                                                                                                                      |                                                          |  |
|       |  |                                 | I                                                                                       |       |                             | Signals and Systems Pvt. Ltd. (SANDS ) | Chennai                   | A                                                              |                                |                         |                                                                                                                                                                                                                                      |                                                          |  |
|       |  |                                 | I                                                                                       |       |                             | Masibus                                | Gandhinagar               | A                                                              |                                |                         |                                                                                                                                                                                                                                      |                                                          |  |
|       |  |                                 | I                                                                                       |       |                             | Sertel Electronics Pvt. Ltd.           | Chennai                   | A                                                              |                                |                         |                                                                                                                                                                                                                                      |                                                          |  |
|       |  |                                 | II                                                                                      |       |                             | Hopf Elektronik GmbH                   | Germany                   | A                                                              |                                |                         |                                                                                                                                                                                                                                      |                                                          |  |
|       |  |                                 | II                                                                                      |       |                             | Hathway                                | USA                       | A                                                              |                                |                         |                                                                                                                                                                                                                                      |                                                          |  |
|       |  |                                 | II                                                                                      |       |                             | Mein Berg                              | Germany                   | A                                                              |                                |                         |                                                                                                                                                                                                                                      |                                                          |  |
|       |  |                                 | II                                                                                      |       |                             | Moser Baer AG                          | Switzerland               | A                                                              |                                |                         |                                                                                                                                                                                                                                      |                                                          |  |
| 35    |  | Mercury Analyser                |                                                                                         |       |                             |                                        |                           |                                                                |                                |                         |                                                                                                                                                                                                                                      |                                                          |  |
|       |  |                                 | I                                                                                       |       |                             | Analysier Instrument Co. Pvt Ltd (AIC) | Kota                      | A                                                              |                                |                         | 1. Mercury Analyzer from PS Analytical UK<br>2. System integration & supply of components like, Enclosure with AC, calibration cylinders, PC will be done by M/s Analyser Instrument Co. Pvt Ltd (AIC) Kota .<br>3. PI refer Note-07 |                                                          |  |
|       |  |                                 | III                                                                                     |       |                             | Environment SA India Pvt Ltd           | Navi Mumbai               | A                                                              |                                |                         | 1-Mercury analyzer with accessories will be from Mercury instruments GmbH Germany .<br>2- Other components like, sample line between probe to mercury analyzer will be supplied by M/s Environment SA India Pvt Ltd .                |                                                          |  |
|       |  |                                 | III                                                                                     |       |                             | Thermo Fisher Scientific India Pvt Ltd | Pune                      | A                                                              |                                |                         | 1. Mercury Analyser shall be from Thermofisher USA<br>2. Other approval conditions are as per approved letter ref no 01/CQA/9578-001/Thermofisher dated 09/12/2016                                                                   |                                                          |  |
|       |  |                                 | III                                                                                     |       |                             | Durag India Instrumentation Pvt Ltd    | Bengaluru                 | A                                                              |                                |                         | Analysier from M/s Verewa Umwelt Germany                                                                                                                                                                                             |                                                          |  |
|       |  |                                 | III                                                                                     |       |                             | Mercury Instruments GmbH               | Germany                   | A                                                              |                                |                         |                                                                                                                                                                                                                                      |                                                          |  |
|       |  |                                 | III                                                                                     |       |                             | SICK AG                                | Germany                   | A                                                              |                                |                         |                                                                                                                                                                                                                                      |                                                          |  |
|       |  |                                 | III                                                                                     |       |                             | Themofisher                            | USA                       | A                                                              |                                |                         |                                                                                                                                                                                                                                      |                                                          |  |
|       |  |                                 | III                                                                                     |       |                             | Lumax                                  | Russia                    | A                                                              |                                |                         | For AAQMS System                                                                                                                                                                                                                     |                                                          |  |
| 36    |  | PA System (IP Based)            |                                                                                         |       |                             |                                        |                           |                                                                |                                |                         |                                                                                                                                                                                                                                      |                                                          |  |
|       |  |                                 | III                                                                                     |       |                             | BNA Technology Consulting Ltd.         | Bengaluru                 | A                                                              |                                |                         | BOI shall be from LOA approved sources.                                                                                                                                                                                              |                                                          |  |
|       |  |                                 | III                                                                                     |       |                             | Armtel                                 | Russia                    | A                                                              |                                |                         |                                                                                                                                                                                                                                      |                                                          |  |



PROJECT : Lara-II ( 2X800MW)  
PACKAGE : EPC PACKAGES  
CONTRACTOR:  
CONTRACT NO :

| PROJECT : Laxali ( 2X800MW)<br>PACKAGE : EPC PACKAGES<br>CONTRACTOR:<br>CONTRACT NO. : |                                         | LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL |                  |                        |       |                   |                                                           |                         |         |                             |                   | REVISION NO : 00<br>DATE :07.06.2022<br>SUB SECTION: C&I |                                                                                                                                               |
|----------------------------------------------------------------------------------------|-----------------------------------------|----------------------------------------------------------------|------------------|------------------------|-------|-------------------|-----------------------------------------------------------|-------------------------|---------|-----------------------------|-------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                        |                                         | Sr No                                                          | Item Description | QP Inspection Category | QP No | QP submission SCH | QP approval SCH                                           | Proposed Sub Supplier   | Country | SS Approval_Status (Note-I) | SS Detail Sub.SCH | SS Approval SCH                                          | Remark                                                                                                                                        |
|                                                                                        |                                         |                                                                |                  |                        |       |                   |                                                           |                         |         |                             |                   |                                                          |                                                                                                                                               |
|                                                                                        |                                         |                                                                |                  | III                    |       |                   | Zenitel                                                   | Norway                  | A       |                             |                   |                                                          | 1.PA system active component ,<br>Proprietary item will be Zenitel Norway make<br>2.Other components & BOI shall be from LOA approved sources |
|                                                                                        |                                         |                                                                |                  | III                    |       |                   | Commend International GMBH                                | Austria                 | A       |                             |                   |                                                          | note-7                                                                                                                                        |
| 36A                                                                                    | PA System (IP Based)/System Integrators |                                                                |                  |                        |       |                   |                                                           |                         |         |                             |                   |                                                          | For M/s Armtel Russia system                                                                                                                  |
|                                                                                        |                                         |                                                                |                  | III                    |       |                   | Willstrong Solutions Pvt. Ltd                             | Greater Noida           | A       |                             |                   |                                                          | Approval conditions as per approval letter no Patratu-QA/9585-001-102/V/A-Willstrong Dated: 21.12.20                                          |
|                                                                                        |                                         |                                                                |                  | III                    |       |                   | Toshniwal Industries Pvt Ltd                              | Ajmer                   | A       |                             |                   |                                                          | For M/s Commend Austria make system                                                                                                           |
|                                                                                        |                                         |                                                                |                  | III                    |       |                   | Aishan Technologies Pvt Ltd                               | Bengaluru               | A       |                             |                   |                                                          | For M/s Zenitel Norway make system                                                                                                            |
|                                                                                        |                                         |                                                                |                  | III                    |       |                   | Hariasa Checkmate Electronics Pvt Ltd                     | Bengaluru               | A       |                             |                   |                                                          | For M/s Commend Austria make system                                                                                                           |
|                                                                                        |                                         |                                                                |                  | III                    |       |                   | Netware Computer Pvt Ltd                                  | New Delhi               | A       |                             |                   |                                                          | For M/s Commend Austria make system                                                                                                           |
| 37                                                                                     | PLC System                              |                                                                |                  |                        |       |                   | Emerson Automation solution Intelligent platforms Pvt Ltd | Bengaluru               | A       |                             |                   |                                                          | PLC modules from M/s Emerson USA & BOI shall be from LOA approved sources                                                                     |
|                                                                                        |                                         |                                                                |                  | I                      |       |                   | ABB India Ltd                                             | Bengaluru               | A       |                             |                   |                                                          | PLC modules from M/s Schneider France & BOI shall be from LOA approved sources                                                                |
|                                                                                        |                                         |                                                                |                  | I                      |       |                   | Schneider Electric system india Pvt Ltd                   | Chennai                 | A       |                             |                   |                                                          | PLC modules from M/s Honeywell ,S.Korea & BOI shall be from LOA approved sources                                                              |
|                                                                                        |                                         |                                                                |                  | I                      |       |                   | Rockwell                                                  | Sahibabad               | A       |                             |                   |                                                          | PLC modules from M/s Honeywell                                                                                                                |
|                                                                                        |                                         |                                                                |                  | I                      |       |                   | Siemens                                                   | Nasik                   | A       |                             |                   |                                                          | S.Korea & BOI shall be from LOA approved sources                                                                                              |
|                                                                                        |                                         |                                                                |                  | I                      |       |                   | Honeywell                                                 | Pune                    | A       |                             |                   |                                                          | PLC modules from M/s Schneider France & BOI shall be from LOA approved sources                                                                |
|                                                                                        |                                         |                                                                |                  | I                      |       |                   | Schneider Electric India Pvt Ltd                          | Bengaluru               | A       |                             |                   |                                                          | PLC modules from M/s Schneider France & BOI shall be from LOA approved sources                                                                |
| 37-A                                                                                   | PLC System Integrators                  |                                                                |                  |                        |       |                   |                                                           |                         |         |                             |                   |                                                          | Note-11 and note-7                                                                                                                            |
|                                                                                        |                                         |                                                                |                  | I                      |       |                   | Ladder Automation Solution Pvt Ltd                        | Gunugram                | A       |                             |                   |                                                          | For M/s Honeywell make system                                                                                                                 |
|                                                                                        |                                         |                                                                |                  | I                      |       |                   | Virtual Automation                                        | Ranga Reddy (Telangana) | A       |                             |                   |                                                          | For M/s Schneider make system                                                                                                                 |
|                                                                                        |                                         |                                                                |                  | I                      |       |                   | Cotmac Electronics Pvt Ltd                                | Pune                    | A       |                             |                   |                                                          | For M/s SIEMENS make system                                                                                                                   |
|                                                                                        |                                         |                                                                |                  | I                      |       |                   | Tech-Masters                                              | Hyderabad               | A       |                             |                   |                                                          | For M/s Emerson make system                                                                                                                   |
|                                                                                        |                                         |                                                                |                  | I                      |       |                   | Powertech Switchgear (I) Pvt Ltd                          | Sonepat                 | A       |                             |                   |                                                          | For M/s Schneider make system                                                                                                                 |
|                                                                                        |                                         |                                                                |                  | I                      |       |                   | Unity Industrial Automation Pvt Ltd                       | Delhi                   | A       |                             |                   |                                                          | For M/s Rockwell make system                                                                                                                  |
|                                                                                        |                                         |                                                                |                  | I                      |       |                   | EMCONS                                                    | Ranchi                  | A       |                             |                   |                                                          | For M/s Rockwell make system                                                                                                                  |
|                                                                                        |                                         |                                                                |                  | I                      |       |                   | Divya Engineers                                           | Chennai                 | A       |                             |                   |                                                          | For M/s SIEMENS make system                                                                                                                   |



| Sr No |  | Item Description                                                           | PROJECT : Lara-II ( 2X800MW)<br>PACKAGE : EPC PACKAGES<br>CONTRACTOR:<br>CONTRACT NO : |       |                             |                                             |                       | LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL |                                |                         |                                                                       | REVISION NO : 00<br>DATE :07.06.2022<br>SUB SECTION: C&I |  |
|-------|--|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------|-----------------------------|---------------------------------------------|-----------------------|----------------------------------------------------------------|--------------------------------|-------------------------|-----------------------------------------------------------------------|----------------------------------------------------------|--|
|       |  |                                                                            | QP<br>Inspection<br>Category                                                           | QP No | QP<br>submis<br>sion<br>SCH | QP<br>approv<br>al<br>SCH                   | Proposed Sub Supplier | Country                                                        | SS Approval_Status<br>(Note-I) | SS<br>Detail<br>Sub.SCH | SS<br>Approval<br>SCH                                                 | Remark                                                   |  |
|       |  |                                                                            |                                                                                        |       |                             |                                             |                       |                                                                |                                |                         |                                                                       |                                                          |  |
|       |  |                                                                            | I                                                                                      |       |                             | M D Industries                              | Vadodara              | A                                                              |                                |                         | For M/s Emerson make system                                           |                                                          |  |
|       |  |                                                                            | I                                                                                      |       |                             | Velox automation                            | Surat                 | A                                                              |                                |                         | For M/s SIEMENS make system                                           |                                                          |  |
|       |  |                                                                            | I                                                                                      |       |                             | Vision Comptel                              | Kolkata               | A                                                              |                                |                         | For M/s Emerson make system                                           |                                                          |  |
|       |  |                                                                            | I                                                                                      |       |                             | Adaptive Engineering Private Limited        | Ahmedabad             | A                                                              |                                |                         | For M/s Schneider make system                                         |                                                          |  |
|       |  |                                                                            | I                                                                                      |       |                             | Greenwave Solutions Private Limited         | Kolkata               | A                                                              |                                |                         | For M/s Rockwell make system                                          |                                                          |  |
|       |  |                                                                            | I                                                                                      |       |                             | Dreamz Automation                           | Ghaziabad             | A                                                              |                                |                         | For M/s SIEMENS make system                                           |                                                          |  |
|       |  |                                                                            | I                                                                                      |       |                             | Creative Robotics                           | Ghaziabad             | A                                                              |                                |                         | For M/s Honeywell make system                                         |                                                          |  |
|       |  |                                                                            | I                                                                                      |       |                             | Kruti Techno Engineer Pvt Ltd               | Chhapraula (GB Nagar  | A                                                              |                                |                         | For M/s SIEMENS make system                                           |                                                          |  |
|       |  |                                                                            | I                                                                                      |       |                             | EDS Instruments & Systems Pvt Ltd           | Chennai               | A                                                              |                                |                         | For M/s Honeywell make system                                         |                                                          |  |
|       |  |                                                                            | I                                                                                      |       |                             | Delsys Automation Technologies Pvt Ltd      | Chennai               | A                                                              |                                |                         | For M/s Emerson make system                                           |                                                          |  |
|       |  |                                                                            | I                                                                                      |       |                             | Hindustan Controols and Equipment Ltd       | Kolkata               | A                                                              |                                |                         | For M/s Emerson make system                                           |                                                          |  |
|       |  |                                                                            | I                                                                                      |       |                             | Volkraft Engineering And Consultant (P) Ltd | Kolkata               | A                                                              |                                |                         | For M/s Emerson make system                                           |                                                          |  |
|       |  |                                                                            | I                                                                                      |       |                             | SSM Infotech Solutions Pvt Ltd              | Surat                 | A                                                              |                                |                         | For M/s Schneider make system                                         |                                                          |  |
|       |  |                                                                            | I                                                                                      |       |                             | Sun Industrial Automation & Solutions       | CHENNAI               | A                                                              |                                |                         | For M/s Schneider make system                                         |                                                          |  |
| 38    |  | Pneumatic Actuator Regulating (Power Cylinder HAD,CAD SADC & Burner Tilt ) |                                                                                        |       |                             |                                             |                       |                                                                |                                |                         |                                                                       |                                                          |  |
|       |  |                                                                            | I                                                                                      |       |                             | Instrumentation Limited                     | Palakkad (Kerala)     | A                                                              |                                |                         |                                                                       |                                                          |  |
|       |  |                                                                            | I                                                                                      |       |                             | Kelton                                      | Cochin (Alleppy)      | A                                                              |                                |                         |                                                                       |                                                          |  |
|       |  |                                                                            | I                                                                                      |       |                             | SMC Corporation India Private Ltd           | Noida                 | A                                                              |                                |                         | Up to Bore size 12 inches                                             |                                                          |  |
|       |  |                                                                            | I                                                                                      |       |                             | IMI Norgren Herton Pvt ltd                  | Noida                 | A                                                              |                                |                         |                                                                       |                                                          |  |
|       |  |                                                                            | II                                                                                     |       |                             | Dong Woo Valve Control Co. Ltd              | S. Korea              | A                                                              |                                |                         |                                                                       |                                                          |  |
|       |  |                                                                            | II                                                                                     |       |                             | Shin Hwa Engineering Co. Ltd                | S. Korea              | A                                                              |                                |                         |                                                                       |                                                          |  |
| 39    |  | Radar type level transmitter                                               |                                                                                        |       |                             |                                             |                       |                                                                |                                |                         |                                                                       |                                                          |  |
|       |  |                                                                            | III                                                                                    |       |                             | Limaco                                      | Russia                | A                                                              |                                |                         | High Frequency Type                                                   |                                                          |  |
|       |  |                                                                            | III                                                                                    |       |                             | Emerson Process Management Ltd              | Pawane                | A                                                              |                                |                         | For M/s Emerson Singapore make                                        |                                                          |  |
|       |  |                                                                            | III                                                                                    |       |                             | Endress & Houser                            | Aurangabad            | A                                                              |                                |                         |                                                                       |                                                          |  |
|       |  |                                                                            | III                                                                                    |       |                             | SIEMENS                                     | Canada                | A                                                              |                                |                         |                                                                       |                                                          |  |
|       |  |                                                                            | III                                                                                    |       |                             | B M Technology                              | Italy                 | A                                                              |                                |                         | For Non Contact type                                                  |                                                          |  |
|       |  |                                                                            | III                                                                                    |       |                             | Magnetrol                                   | Belgium               | A                                                              |                                |                         |                                                                       |                                                          |  |
|       |  |                                                                            | III                                                                                    |       |                             | ABB                                         | USA                   | A                                                              |                                |                         | K-Tech Brand                                                          |                                                          |  |
|       |  |                                                                            | III                                                                                    |       |                             | Endress & Houser                            | Germany               | A                                                              |                                |                         |                                                                       |                                                          |  |
|       |  |                                                                            | III                                                                                    |       |                             | Saab Rosemount                              | Sweden                | A                                                              |                                |                         |                                                                       |                                                          |  |
|       |  |                                                                            | III                                                                                    |       |                             | Emerson Process Management                  | Singapore             | A                                                              |                                |                         | Rosemount 3300 series for GW Radar & 5600 Series for Non-Contact type |                                                          |  |
|       |  |                                                                            | III                                                                                    |       |                             | Endress & Houser                            | Germany               | A                                                              |                                |                         |                                                                       |                                                          |  |

| Sr No |  | Item Description                                                                                                                                                         | PROJECT : Lara-II ( 2X800MW)<br>PACKAGE : EPC PACKAGES<br>CONTRACTOR:<br>CONTRACT NO : |       |                   |                                    |                       | LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL |                             |                   |                 | REVISION NO : 00<br>DATE :07.06.2022<br>SUB SECTION: C&I                                                                                                                                                                                                                                                                                    |  |
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|       |  |                                                                                                                                                                          | QP Inspection Category                                                                 | QP No | QP submission SCH | QP approval SCH                    | Proposed Sub Supplier | Country                                                        | SS Approval_Status (Note-I) | SS Detail Sub.SCH | SS Approval SCH | Remark                                                                                                                                                                                                                                                                                                                                      |  |
|       |  |                                                                                                                                                                          |                                                                                        |       |                   |                                    |                       |                                                                |                             |                   |                 |                                                                                                                                                                                                                                                                                                                                             |  |
|       |  |                                                                                                                                                                          | III                                                                                    |       |                   | Vega Grieshaber KG                 | Germany               | A                                                              |                             |                   |                 |                                                                                                                                                                                                                                                                                                                                             |  |
| 40    |  | Short Term Fire Proof cable                                                                                                                                              | III                                                                                    |       |                   | nVent Solutions limited            | UK                    | A                                                              |                             |                   |                 |                                                                                                                                                                                                                                                                                                                                             |  |
|       |  |                                                                                                                                                                          | III                                                                                    |       |                   | Wrexham Mineral                    | UK                    | A                                                              |                             |                   |                 |                                                                                                                                                                                                                                                                                                                                             |  |
|       |  |                                                                                                                                                                          | III                                                                                    |       |                   | KME                                | Italy                 | A                                                              |                             |                   |                 |                                                                                                                                                                                                                                                                                                                                             |  |
| 41    |  | SWAS (Sampling Handling System and Dry Panel)                                                                                                                            |                                                                                        |       |                   |                                    |                       |                                                                |                             |                   |                 |                                                                                                                                                                                                                                                                                                                                             |  |
|       |  |                                                                                                                                                                          | I                                                                                      |       |                   | Emerson Process Management Ltd     | Navi Mumbai           | A                                                              |                             |                   |                 | Analysers and Other BOI Components from LOA agreed source                                                                                                                                                                                                                                                                                   |  |
|       |  |                                                                                                                                                                          | I                                                                                      |       |                   | Forbes Marshall                    | Pune                  | A                                                              |                             |                   |                 | Analysers and Other BOI Components from LOA agreed source                                                                                                                                                                                                                                                                                   |  |
|       |  |                                                                                                                                                                          | I                                                                                      |       |                   | SEPL                               | Pune                  | A                                                              |                             |                   |                 | Analysers and Other BOI Components from LOA agreed source                                                                                                                                                                                                                                                                                   |  |
| 42    |  | Water Analyser (Chloride, Conductivity, Dissolved Oxygen,pH, Hydrazine, Concentration , Phosphate, Silica, Sodium, Turbidity, Total Iron, Degassed Cation Conductivity ) |                                                                                        |       |                   |                                    |                       |                                                                |                             |                   |                 |                                                                                                                                                                                                                                                                                                                                             |  |
|       |  |                                                                                                                                                                          | III                                                                                    |       |                   | Emerson Process Management Pvt Ltd | Pawane                | A                                                              |                             |                   |                 | For Conductivity,pH, Dissolved Oxygen, Turbidity                                                                                                                                                                                                                                                                                            |  |
|       |  |                                                                                                                                                                          | III                                                                                    |       |                   | Mettlet Toledo India Pvt Ltd       | Vasai                 | A                                                              |                             |                   |                 | For pH Analyser<br>(1. PH analyser from M/s Mettler Toledo GmbH Switzerland<br>2. Other components like, Housing, Panel mounting kit, Tubing's & easy clean mechanism will be supplied by M/s Mettler Toledo India Pvt Ltd )                                                                                                                |  |
|       |  |                                                                                                                                                                          | III                                                                                    |       |                   | Endress Hauser India Pvt. Limited  | Mumbai                | A                                                              |                             |                   |                 | For pH Analyser<br>(1. pH sensor with cable , analyser ,retract & cleaning assembly , electrolyte reservoir ( As applicable) will be supplied from Principals of M/S Endress Hauser India Pvt. Limited.<br>2. Other components like, Flow through assembly shall be supplied from M/S Endress Hauser India Pvt. Limited approved sources. ) |  |
|       |  |                                                                                                                                                                          | III                                                                                    |       |                   | Thermo Fisher Scientific           | USA                   | A                                                              |                             |                   |                 | For Chloride,Dissolved Oxygen,Hydrazine                                                                                                                                                                                                                                                                                                     |  |
|       |  |                                                                                                                                                                          | III                                                                                    |       |                   | ABB                                | UK                    | A                                                              |                             |                   |                 | For Chloride,Dissolved Oxygen,Hydrazine, Phosphate, Silica,Sodium, Turbidity                                                                                                                                                                                                                                                                |  |
|       |  |                                                                                                                                                                          | III                                                                                    |       |                   | Hach                               | USA                   | A                                                              |                             |                   |                 | For Conductivity, pH,Concentration, Phosphate, Silica, Turbidity                                                                                                                                                                                                                                                                            |  |
|       |  |                                                                                                                                                                          | III                                                                                    |       |                   | ABB                                | USA                   | A                                                              |                             |                   |                 | For Conductivity, pH                                                                                                                                                                                                                                                                                                                        |  |
|       |  |                                                                                                                                                                          | III                                                                                    |       |                   | Yokogawa                           | Japan                 | A                                                              |                             |                   |                 | For Conductivity                                                                                                                                                                                                                                                                                                                            |  |
|       |  |                                                                                                                                                                          | III                                                                                    |       |                   | Hach                               | Switzerland           | A                                                              |                             |                   |                 | For Dissolved oxygen, Hydrazine, Silica,Sodium                                                                                                                                                                                                                                                                                              |  |
|       |  |                                                                                                                                                                          | III                                                                                    |       |                   | Yokogawa                           | Japan                 | A                                                              |                             |                   |                 | For pH                                                                                                                                                                                                                                                                                                                                      |  |
|       |  |                                                                                                                                                                          | III                                                                                    |       |                   | Eutech Instrument PTE Ltd          | Singapore             | A                                                              |                             |                   |                 | For Silica                                                                                                                                                                                                                                                                                                                                  |  |
|       |  |                                                                                                                                                                          | III                                                                                    |       |                   | Orion                              | USA                   | A                                                              |                             |                   |                 | For Sodium                                                                                                                                                                                                                                                                                                                                  |  |
| 43    |  | Temp Transmitter                                                                                                                                                         |                                                                                        |       |                   |                                    |                       |                                                                |                             |                   |                 |                                                                                                                                                                                                                                                                                                                                             |  |
| 43-A  |  | Temp Transmitter                                                                                                                                                         |                                                                                        |       |                   |                                    |                       |                                                                |                             |                   |                 |                                                                                                                                                                                                                                                                                                                                             |  |
|       |  |                                                                                                                                                                          | III                                                                                    |       |                   | Endress & Houser                   | Aurangabad            | A                                                              |                             |                   |                 |                                                                                                                                                                                                                                                                                                                                             |  |



| Sr No |  | Item Description                                                      | PROJECT : Lara-II ( 2X800MW)<br>PACKAGE : EPC PACKAGES<br>CONTRACTOR:<br>CONTRACT NO : |       |                   |                                |                         | LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL |                             |                   |                 | REVISION NO : 00<br>DATE :07.06.2022<br>SUB SECTION: C&I                                                                                                 |  |
|-------|--|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------|-------------------|--------------------------------|-------------------------|----------------------------------------------------------------|-----------------------------|-------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|       |  |                                                                       | QP Inspection Category                                                                 | QP No | QP submission SCH | QP approval SCH                | Proposed Sub Supplier   | Country                                                        | SS Approval_Status (Note-I) | SS Detail Sub.SCH | SS Approval SCH | Remark                                                                                                                                                   |  |
|       |  |                                                                       |                                                                                        |       |                   |                                |                         |                                                                |                             |                   |                 |                                                                                                                                                          |  |
|       |  |                                                                       | III                                                                                    |       |                   | Emerson Process Management Ltd | Pawane                  | A                                                              |                             |                   |                 | For M/s Emerson Singapore make                                                                                                                           |  |
|       |  |                                                                       | III                                                                                    |       |                   | Yokogawa                       | Bengaluru               | A                                                              |                             |                   |                 | Make Yokogawa japan and calibration at Yokogawa Banglore                                                                                                 |  |
|       |  |                                                                       | III                                                                                    |       |                   | ABB                            | Bengaluru               | A                                                              |                             |                   |                 | For M/s ABB Germany make                                                                                                                                 |  |
|       |  |                                                                       | III                                                                                    |       |                   | WIKA Instruments India Pvt Ltd | Pune                    | A                                                              |                             |                   |                 | For M/s WIKA Germany make Model no T-32                                                                                                                  |  |
|       |  |                                                                       | III                                                                                    |       |                   | Honeywell Automation India Ltd | Pune                    | A                                                              |                             |                   |                 |                                                                                                                                                          |  |
|       |  |                                                                       | III                                                                                    |       |                   | Yokogawa                       | Japan                   | A                                                              |                             |                   |                 |                                                                                                                                                          |  |
|       |  |                                                                       | III                                                                                    |       |                   | Moore                          | USA                     | A                                                              |                             |                   |                 |                                                                                                                                                          |  |
|       |  |                                                                       | III                                                                                    |       |                   | M System co Ltd                | Japan                   | A                                                              |                             |                   |                 |                                                                                                                                                          |  |
|       |  |                                                                       | III                                                                                    |       |                   | Emerson                        | U.S.A/Singapore/Germany | A                                                              |                             |                   |                 | Model No-B3HU-0                                                                                                                                          |  |
|       |  |                                                                       | III                                                                                    |       |                   | ABB                            | Germany                 | A                                                              |                             |                   |                 |                                                                                                                                                          |  |
|       |  |                                                                       | III                                                                                    |       |                   | Emerson Process Management     | Germany                 | A                                                              |                             |                   |                 |                                                                                                                                                          |  |
| 43-B  |  | Temp Transmitter -Field Bus based Single/Dual Input                   | I                                                                                      |       |                   | ABB India Ltd                  | Bengaluru               | A                                                              |                             |                   |                 | One no of TT will be available at DCS supplier for function testing of field bus communication with DCS during FAT                                       |  |
| 44    |  | Turbine supervisory Instruments along with vibration analysis system. | I                                                                                      |       |                   | GE                             | Pune                    | A                                                              |                             |                   |                 | For GE Bently, USA make system                                                                                                                           |  |
|       |  |                                                                       | I                                                                                      |       |                   | Meggitt India Pvt Ltd          | Bengaluru               | A                                                              |                             |                   |                 | For Meggitt (Vibrometer) Switzerland make system                                                                                                         |  |
|       |  |                                                                       | I                                                                                      |       |                   | Forbes Marshall                | Pune                    | A                                                              |                             |                   |                 | For Shinkawa ,Japan make system                                                                                                                          |  |
|       |  |                                                                       | II                                                                                     |       |                   | GE BENTLY                      | USA                     | A                                                              |                             |                   |                 |                                                                                                                                                          |  |
|       |  |                                                                       | II                                                                                     |       |                   | SHINKAWA                       | JAPAN                   | A                                                              |                             |                   |                 |                                                                                                                                                          |  |
|       |  |                                                                       | II                                                                                     |       |                   | MEGGITT                        | Switzerland             | A                                                              |                             |                   |                 |                                                                                                                                                          |  |
| 45    |  | Ultrasonic Type Flow Meter (for Stack)                                | III                                                                                    |       |                   | Sick India Pvt Ltd             | Mumbai                  | A                                                              |                             |                   |                 | For Sick AG Germany make                                                                                                                                 |  |
|       |  |                                                                       | III                                                                                    |       |                   | Sick AG                        | Germany                 | A                                                              |                             |                   |                 |                                                                                                                                                          |  |
|       |  |                                                                       | III                                                                                    |       |                   | Durag                          | Germany                 | A                                                              |                             |                   |                 |                                                                                                                                                          |  |
|       |  |                                                                       | III                                                                                    |       |                   | Teledyne                       | USA                     | A                                                              |                             |                   |                 |                                                                                                                                                          |  |
| 46    |  | Ultrasonic type level Transmitter                                     | III                                                                                    |       |                   | EIP Enviro                     | Noida                   | A                                                              |                             |                   |                 | 1-Ultrasonic level Tx shall be BM Technology Italy make<br>2-Required mounting arrangement , Testing. Calibration shall be carried out at M/s EIP Works. |  |
|       |  |                                                                       | III                                                                                    |       |                   | E & H                          | Aurangabad              | A                                                              |                             |                   |                 | Complete Intrument Transmitter & Probe to be procured from Mobrey UK , only intergration & configuration at Pawane works                                 |  |
|       |  |                                                                       | III                                                                                    |       |                   | Emerson Process Management Ltd | Pawane                  | A                                                              |                             |                   |                 |                                                                                                                                                          |  |
|       |  |                                                                       | III                                                                                    |       |                   | BM Technology                  | Italy                   | A                                                              |                             |                   |                 |                                                                                                                                                          |  |
|       |  |                                                                       | III                                                                                    |       |                   | Siemens Miltronics             | Canada                  | A                                                              |                             |                   |                 |                                                                                                                                                          |  |
|       |  |                                                                       | III                                                                                    |       |                   | Nivelco Process Control        | Hungary                 | A                                                              |                             |                   |                 |                                                                                                                                                          |  |
|       |  |                                                                       | III                                                                                    |       |                   | E & H                          | Germany                 | A                                                              |                             |                   |                 |                                                                                                                                                          |  |
|       |  |                                                                       | III                                                                                    |       |                   | HAWK Measurement PTY Ltd       | Australia               | A                                                              |                             |                   |                 |                                                                                                                                                          |  |
| 47    |  | UPS With ACDB                                                         |                                                                                        |       |                   |                                |                         |                                                                |                             |                   |                 |                                                                                                                                                          |  |

| PROJECT : LARA-II ( 2X800MW)<br>PACKAGE : EPC PACKAGES<br>CONTRACTOR :<br>CONTRACT NO. : |                                                   |                        |       |                   |                 |                                              | LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL |                             |                   |                 | REVISION NO : 00<br>DATE :07.06.2022<br>SUB SECTION: C&I                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------------------|---------------------------------------------------|------------------------|-------|-------------------|-----------------|----------------------------------------------|----------------------------------------------------------------|-----------------------------|-------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sr No                                                                                    | Item Description                                  | QP Inspection Category | QP No | QP submission SCH | QP approval SCH | Proposed Sub Supplier                        | Country                                                        | SS Approval_Status (Note-1) | SS Detail Sub.SCH | SS Approval SCH | Remark                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                          |                                                   | Note-5                 |       |                   |                 | Vertive Energy Pvt Ltd                       | Pune                                                           | A                           |                   |                 | Upto 125 KVA for 1 phase and 300 KVA for 3 Phase                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                          |                                                   | Note-5                 |       |                   |                 | Vertive Energy Pvt Ltd                       | Mumbai                                                         | A                           |                   |                 | Upto 160 KVA                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                          |                                                   | Note-5                 |       |                   |                 | Hitachi Hired Power Electronics Pvt Ltd      | Gandhinagar                                                    | A                           |                   |                 | Upto 160 KVA,                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                          |                                                   | Note-5                 |       |                   |                 | Fuji Electric Consul Neowatt Private Limited | Pune                                                           | A                           |                   |                 | Up to 100 KVA single phase                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                          |                                                   | Note-5                 |       |                   |                 | KELTRON                                      | Trivendrum                                                     | A                           |                   |                 |                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                          |                                                   | Note-5                 |       |                   |                 | Merlin & Gerin                               | France                                                         | A                           |                   |                 |                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                          |                                                   | Note-5                 |       |                   |                 | Gutor                                        | Switzerland                                                    | A                           |                   |                 |                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                          |                                                   | Note-5                 |       |                   |                 | AEG                                          | Germany                                                        | A                           |                   |                 |                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                          |                                                   | Note-5                 |       |                   |                 | Fuji Electric                                | Japan                                                          | A                           |                   |                 |                                                                                                                                                                                                                                                                                                                                                                                                           |
| 48                                                                                       | Vibration Monitoring System                       | II                     |       |                   |                 | Sensonics Technology India                   | Kundli                                                         | A                           |                   |                 | For Sensonic UK system                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                          |                                                   |                        |       |                   |                 |                                              |                                                                |                             |                   |                 | 1. Imported items like Vibration Monitors, Cross Connection Cables, Buffered Output Modules, and Piezoelectric Vibration Sensors, Eddy Current type Proximity Probe, Extension Cable and Signal Conditioner will be procured from Valmet Automation, Finland.<br>2. Indigenous items like Communication cables, networking components, blank panels, TB, OWS will be procured from NTPC approved sources. |
|                                                                                          |                                                   | II                     |       |                   |                 | IRD Mechanalysis Ltd                         | Thane                                                          | A                           |                   |                 | Vibration sensors will be sourced from M/s Hansford UK ,however brand name of IRD and its logo is acceptable with suitable traceability of M/s Hansford ,UK.                                                                                                                                                                                                                                              |
|                                                                                          |                                                   | II                     |       |                   |                 | Forbes Marshall Pvt Limited                  | Pune                                                           | A                           |                   |                 | VMS hardware , Sensors ,extension cables shall be shinkawa Japan make . 2. All other BOI shall be from LOA agreed sources                                                                                                                                                                                                                                                                                 |
|                                                                                          |                                                   | II                     |       |                   |                 | GE                                           | Pune                                                           | A                           |                   |                 | For GE Bentley , USA Make                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                                                          |                                                   | II                     |       |                   |                 | Rockwell Automation                          | Sahibabad                                                      | A                           |                   |                 | For Rockwell USA make                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                                                          |                                                   | II                     |       |                   |                 | SKF                                          | Pune                                                           | A                           |                   |                 | For SKF USA make                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                          |                                                   | II                     |       |                   |                 | Imageneous Engineering Pvt Ltd               | Vadodara                                                       | A                           |                   |                 | 1-For Meggitt Switzerland make<br>2- Refer note 7                                                                                                                                                                                                                                                                                                                                                         |
|                                                                                          |                                                   | II                     |       |                   |                 | Shinkawa                                     | Japan                                                          | A                           |                   |                 |                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                          |                                                   | II                     |       |                   |                 | GE                                           | USA                                                            | A                           |                   |                 | Bentley Niveda brand                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                                                          |                                                   | II                     |       |                   |                 | Meggitt                                      | Switzerland                                                    | A                           |                   |                 |                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                          |                                                   | II                     |       |                   |                 | Sensonic Limited                             | UK                                                             | A                           |                   |                 |                                                                                                                                                                                                                                                                                                                                                                                                           |
| 49                                                                                       | Wireless Solution (Microwave Tower Communication) |                        |       |                   |                 |                                              |                                                                |                             |                   |                 |                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                          |                                                   | I                      |       |                   |                 | L&T Technology Services (LTTS)               | Bengaluru                                                      | A                           |                   |                 | 1- Wireless Product (Access Point, Antenna) shall be M/s Cambium UK Make<br>2- Other Item like Switch, Cat-6 Cable can be supplied from M/s LTTS approved sources meeting technical requirements.                                                                                                                                                                                                         |



PROJECT : Lara-II ( 2X800MW)  
PACKAGE : EPC PACKAGES  
CONTRACTOR:  
CONTRACT NO :

| <div><div>एन टी पी सी</div></div> |                                                                                               | PROJECT : Laxmi ( 2X800MW) |       |                   |                 |                                           |               | LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL |  |  |  |  | REVISION NO : 00                                                                                                                                                                                                                                                                               |  |        |  |
|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------|-------|-------------------|-----------------|-------------------------------------------|---------------|----------------------------------------------------------------|--|--|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------|--|
|                                                                                                                     |                                                                                               | PACKAGE : EPC PACKAGES     |       |                   |                 |                                           |               | SS Approval_Status (Note-I)                                    |  |  |  |  | SS Approval SCH                                                                                                                                                                                                                                                                                |  | Remark |  |
|                                                                                                                     |                                                                                               | CONTRACTOR:                |       |                   |                 |                                           |               |                                                                |  |  |  |  |                                                                                                                                                                                                                                                                                                |  |        |  |
|                                                                                                                     |                                                                                               | CONTRACT NO :              |       |                   |                 |                                           |               |                                                                |  |  |  |  |                                                                                                                                                                                                                                                                                                |  |        |  |
| Sr No                                                                                                               | Item Description                                                                              | QP Inspection Category     | QP No | QP submission SCH | QP approval SCH | Proposed Sub Supplier                     | Country       |                                                                |  |  |  |  |                                                                                                                                                                                                                                                                                                |  |        |  |
|                                                                                                                     |                                                                                               | I                          |       |                   |                 | Lotus wireless technologies India Pvt Ltd | Visakhapatnam | A                                                              |  |  |  |  |                                                                                                                                                                                                                                                                                                |  |        |  |
|                                                                                                                     |                                                                                               | I                          |       |                   |                 | Sheetal Wireless Technologies Pvt Ltd     | Pune          | A                                                              |  |  |  |  |                                                                                                                                                                                                                                                                                                |  |        |  |
|                                                                                                                     |                                                                                               | III                        |       |                   |                 | Proxim Wireless Corporation               | USA           | A                                                              |  |  |  |  | BOI shall be as per approval letter                                                                                                                                                                                                                                                            |  |        |  |
| 50                                                                                                                  | Field Bus Cable/ Profibus Cable- PA & DP type                                                 |                            |       |                   |                 |                                           |               |                                                                |  |  |  |  |                                                                                                                                                                                                                                                                                                |  |        |  |
|                                                                                                                     |                                                                                               | I                          |       |                   |                 | LAPP India Pvt Ltd                        | Bangalore     | A                                                              |  |  |  |  |                                                                                                                                                                                                                                                                                                |  |        |  |
| 51                                                                                                                  | Field bus components ( Field bus modules ,segment protector ,surge protector & SS JB )        |                            |       |                   |                 |                                           |               |                                                                |  |  |  |  |                                                                                                                                                                                                                                                                                                |  |        |  |
|                                                                                                                     |                                                                                               | III                        |       |                   |                 | Phoenix Contact Inc                       | USA           | A                                                              |  |  |  |  | Materiall will be allowed to dispatch from the vendor works as CAT-III item .however all material except SS junction box will be available at DDCMIS supplier works for functional testing .                                                                                                   |  |        |  |
|                                                                                                                     |                                                                                               | III                        |       |                   |                 | Pepperl + Fuchs Pte Ltd                   | Singapore     | A                                                              |  |  |  |  | Materiall will be allowed to dispatch from the vendor works as CAT-III item .however all material will be available at DDCMIS supplier works for functional testing .                                                                                                                          |  |        |  |
| 52                                                                                                                  | Stockyard Management System( Including 3D profiling scanner ,Thermal Imaging Camera, RTK GPS) |                            |       |                   |                 |                                           |               |                                                                |  |  |  |  |                                                                                                                                                                                                                                                                                                |  |        |  |
|                                                                                                                     |                                                                                               | III                        |       |                   |                 | TSA                                       | Brazil        | A                                                              |  |  |  |  | For 3D profiling / Tripple-IN Germany make                                                                                                                                                                                                                                                     |  |        |  |
|                                                                                                                     |                                                                                               | I                          |       |                   |                 | EIP Enviro                                | Noida         | A                                                              |  |  |  |  | For 3D profiling / 1-Tripple-IN Germany make Laser Scanner and RPU along with software from TSA Brazil inline with the M/s TSA Letter. 2- Other item like ethernet cable, Ethernet Switch, Junction Box required for execution of 3D stockpile management system can be supplied by EIP Enviro |  |        |  |
| 53                                                                                                                  | Perimeter Intrusion Detection System                                                          | III                        |       |                   |                 | Senslar                                   | Canada        | A                                                              |  |  |  |  |                                                                                                                                                                                                                                                                                                |  |        |  |
| 54                                                                                                                  | Radar based Perimeter Surveillance System                                                     | III                        |       |                   |                 | Magos System Ltd                          | Israel        | A                                                              |  |  |  |  | Third Party "Cyber Penetration report " shall be provided along with material TC/COC                                                                                                                                                                                                           |  |        |  |
| 55                                                                                                                  | Thermal Camera ( PTZ)                                                                         | III                        |       |                   |                 | FLIR Commercial Systems INC               | USA           | A                                                              |  |  |  |  |                                                                                                                                                                                                                                                                                                |  |        |  |

## Main Contractor approved sources (Note-12)

|      |                                  |     |  |  |  |                                  |  |
|------|----------------------------------|-----|--|--|--|----------------------------------|--|
| MC-1 | Amonia Analyser                  | III |  |  |  | Main Contractor Approved Sources |  |
| MC-2 | Amonia leak detector             | III |  |  |  | Main Contractor Approved Sources |  |
| MC-3 | Air Filter Regulator             | III |  |  |  | Main Contractor Approved Sources |  |
| MC-4 | Anemometer                       | III |  |  |  | Main Contractor Approved Sources |  |
| MC-5 | Annunciator                      | III |  |  |  | Main Contractor Approved Sources |  |
| MC-6 | Battery Health Monitoring System | III |  |  |  | Main Contractor Approved Sources |  |



PROJECT : Lara-II ( 2X800MW)  
PACKAGE : EPC PACKAGES  
CONTRACTOR:  
CONTRACT NO :

REVISION NO : 00  
DATE :07.06.2022  
SUB SECTION: C&I

| LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL |                                                           |                        |       |                   |                 |                                  |         |                   |                 | SS Approval Status (Note-I) |  | SS Approval SCH |  | Remark |  |
|----------------------------------------------------------------|-----------------------------------------------------------|------------------------|-------|-------------------|-----------------|----------------------------------|---------|-------------------|-----------------|-----------------------------|--|-----------------|--|--------|--|
| Sr No                                                          | Item Description                                          | QP Inspection Category | QP No | QP submission SCH | QP approval SCH | Proposed Sub Supplier            | Country | SS Detail Sub.SCH | SS Approval SCH |                             |  |                 |  |        |  |
| MC-7                                                           | Biofouling/ Deposit Monitor                               | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-8                                                           | Coal bunker Level monitor                                 | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-9                                                           | Compression Fittings(SS)                                  | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-10                                                          | Condensing Pots                                           | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-11                                                          | Conduits /Pipe (GI)                                       | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-12                                                          | Conduits lead coated ( Flexible )                         | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-13                                                          | Copper tubing/Brass connectors                            | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-14                                                          | Coriolis' Type Mass Flow meter                            | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-15                                                          | Coupling /Interposing Relays                              | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-16                                                          | Density Indicator                                         | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-17                                                          | Desk for OWS/EWS/Printer/Server                           | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-18                                                          | Digital Indicators                                        | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-19                                                          | Dust Sensor                                               | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-20                                                          | Dew point sensor/meter (H2)                               | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-21                                                          | Flow Gauge                                                | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-22                                                          | Flow Indicator cum Totaliser                              | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-23                                                          | Flow Switch                                               | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-24                                                          | FRP Junction Box                                          | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-25                                                          | Furniture for control Room( Chair, Almira, Lock)          | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-26                                                          | Furnace exit gas temp probe                               | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-27                                                          | Graphic Interface Unit                                    | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-28                                                          | Hand Held Calibrator                                      | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-29                                                          | Hart Management System                                    | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-30                                                          | Humidistat / Thermostat / Gyserstat / Airstat             | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-31                                                          | Instant Corrosion Rate Monitor & Portable Corrosion Meter | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-32                                                          | Impact head type flow element                             | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-33                                                          | Instrument Tube Fittings (Air)                            | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-34                                                          | Instrument Valve                                          | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-35                                                          | IR Detector                                               | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-36                                                          | KVM Switch/Matrix KVM Switch                              | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-37                                                          | Level gauge (Transparent & Reflex, Tubular type)          | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-38                                                          | Level Indicator (Float & Board type)                      | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-39                                                          | Level switch - Float/Displacer Type                       | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-40                                                          | Level Switch (RF Type)                                    | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-41                                                          | Level switch capacitance type                             | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-42                                                          | Limit Switch                                              | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-43                                                          | Maintenance and Calibration Equipment                     | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-44                                                          | Mini UPS-Type C configuration                             | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-45                                                          | Orifice plate assembly                                    | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-46                                                          | On line carbon in Ash analyser                            | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-47                                                          | Pilot Tube                                                | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-48                                                          | Pr/Vaccum /DP Gauges                                      | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-49                                                          | Press. DP, Vacuum Switch                                  | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-50                                                          | Printer (Dot Matrix/Inkjet / Laser)                       | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-51                                                          | Pycnometer                                                | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-52                                                          | Pulse Jet Controller                                      | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-53                                                          | Pulse Valve                                               | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-54                                                          | Residual Chlorine Analyser                                | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-55                                                          | Rotameter                                                 | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-56                                                          | Reverse Rotation Indicator                                | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |
| MC-57                                                          | Synchronising Relay                                       | III                    |       |                   |                 | Main Contractor Approved Sources |         |                   |                 |                             |  |                 |  |        |  |



PROJECT : Lara-II ( 2X800MW)  
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CONTRACT NO :

| PROJECT : Lara-II ( 2X800MW)<br>PACKAGE : EPC PACKAGES<br>CONTRACTOR:<br>CONTRACT NO. : |                                                       |                        |       |                   |                 |                                  |         |                             |                   | LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL |        |  |  | REVISION NO : 00<br>DATE :07.06.2022<br>SUB SECTION: C&I |  |
|-----------------------------------------------------------------------------------------|-------------------------------------------------------|------------------------|-------|-------------------|-----------------|----------------------------------|---------|-----------------------------|-------------------|----------------------------------------------------------------|--------|--|--|----------------------------------------------------------|--|
| Sr No                                                                                   | Item Description                                      | QP Inspection Category | QP No | QP submission SCH | QP approval SCH | Proposed Sub Supplier            | Country | SS Approval_Status (Note-I) |                   | SS Approval SCH                                                | Remark |  |  |                                                          |  |
|                                                                                         |                                                       |                        |       |                   |                 |                                  |         |                             | SS Detail Sub.SCH |                                                                |        |  |  |                                                          |  |
| MC-58                                                                                   | Synchoscope                                           | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-59                                                                                   | Semaphore Indicators                                  | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-60                                                                                   | Sight Flow Indicator                                  | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-61                                                                                   | Smart Positioner                                      | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-62                                                                                   | Socket Weld Fittings                                  | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-63                                                                                   | Solenoid Valve                                        | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-64                                                                                   | Solid Mass Flow Meter                                 | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-65                                                                                   | Terminal Block (Cage and Clamp type)                  | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-66                                                                                   | Temperature cum Humidity Indicator                    | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-67                                                                                   | Temperature Element(Thermocouple , RTD & Thermowell)  | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-68                                                                                   | Temperature Gauge( With Thermowell)                   | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-69                                                                                   | Temperature Switch                                    | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-70                                                                                   | Transducer                                            | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-71                                                                                   | Tube thickness Meter                                  | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-72                                                                                   | Voltmeter Waterhour Meter                             | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-73                                                                                   | Valve manifolds                                       | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-74                                                                                   | Electric to Pneumatic Converter                       | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-75                                                                                   | Network components                                    | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-76                                                                                   | Isolator                                              | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-77                                                                                   | ORP Monitor /Analyser                                 | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-78                                                                                   | Ultrasonic Type Flow Transmitter                      | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-79                                                                                   | Chlorine Leak detector                                | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-80                                                                                   | Density Meter                                         | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-81                                                                                   | Electro Magenetic Flow meter                          | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-82                                                                                   | Positive displacement Type Flow Meter                 | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-83                                                                                   | Level Scanner (3 D)for Solid Application              | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-84                                                                                   | Mosaic tiles /Console items                           | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-85                                                                                   | Electrical Control Panel ( UCP/Backup)                | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-86                                                                                   | Electrical Indicating Instruments (Mosaic Compatible) | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-87                                                                                   | OWS/EWS/Server                                        | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-88                                                                                   | Bio Matrix Reader                                     | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-89                                                                                   | ANPR                                                  | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-90                                                                                   | UVSS                                                  | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-91                                                                                   | Comd & Control System                                 | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-92                                                                                   | Access & Controller Software                          | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-93                                                                                   | IR LED based Illuminator                              | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-94                                                                                   | ATB Bollard                                           | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-95                                                                                   | Boom Barrier                                          | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-96                                                                                   | Touchless biometric recorder                          | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-97                                                                                   | GPS Sensor based Vehicle Monitoring system            | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-98                                                                                   | 10mp digital camera with tripod for photo capture     | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-99                                                                                   | 2D GIS map application                                | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-100                                                                                  | Audible alarm device                                  | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-101                                                                                  | CameraPoles                                           | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-102                                                                                  | Card Reader                                           | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-103                                                                                  | Door Frame Metal Detector -DFMD                       | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-104                                                                                  | Door sensor                                           | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-105                                                                                  | Egress Switch                                         | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-106                                                                                  | EMI LOCK                                              | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-107                                                                                  | Emergency exit / door override switch                 | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |
| MC-108                                                                                  | Emergency Siren /Hooter                               | III                    |       |                   |                 | Main Contractor Approved Sources |         |                             |                   |                                                                |        |  |  |                                                          |  |



| PROJECT : Lara-II ( 2X800MW)<br>PACKAGE : EPC PACKAGES<br>CONTRACTOR:<br>CONTRACT NO :                                                                                                                                                                 |                                                                                |                        |       | LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL |                                  |         |                             | REVISION NO : 00<br>DATE :07.06.2022<br>SUB SECTION: C&I |                 |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|------------------------|-------|----------------------------------------------------------------|----------------------------------|---------|-----------------------------|----------------------------------------------------------|-----------------|--------|
| Sr No                                                                                                                                                                                                                                                  | Item Description                                                               | QP Inspection Category | QP No | QP submis sion SCH                                             | Proposed Sub Supplier            | Country | SS Approval_Status (Note-I) | SS Detail Sub.SCH                                        | SS Approval SCH | Remark |
| MC-109                                                                                                                                                                                                                                                 | Flap barrier                                                                   | III                    |       |                                                                | Main Contractor Approved Sources |         |                             |                                                          |                 |        |
| MC-110                                                                                                                                                                                                                                                 | Flash Lights for covering perimeter area for clear view from PTZ in night time | III                    |       |                                                                | Main Contractor Approved Sources |         |                             |                                                          |                 |        |
| MC-111                                                                                                                                                                                                                                                 | Geo fencing                                                                    | III                    |       |                                                                | Main Contractor Approved Sources |         |                             |                                                          |                 |        |
| MC-112                                                                                                                                                                                                                                                 | Glass Break switch at Emergency Exit                                           | III                    |       |                                                                | Main Contractor Approved Sources |         |                             |                                                          |                 |        |
| MC-113                                                                                                                                                                                                                                                 | Guard tour                                                                     | III                    |       |                                                                | Main Contractor Approved Sources |         |                             |                                                          |                 |        |
| MC-114                                                                                                                                                                                                                                                 | Half Height Turnstile                                                          | III                    |       |                                                                | Main Contractor Approved Sources |         |                             |                                                          |                 |        |
| MC-115                                                                                                                                                                                                                                                 | Handheld Walkie - Talkie                                                       | III                    |       |                                                                | Main Contractor Approved Sources |         |                             |                                                          |                 |        |
| MC-116                                                                                                                                                                                                                                                 | HHMD                                                                           | III                    |       |                                                                | Main Contractor Approved Sources |         |                             |                                                          |                 |        |
| MC-117                                                                                                                                                                                                                                                 | Long Range RFID Reader                                                         | III                    |       |                                                                | Main Contractor Approved Sources |         |                             |                                                          |                 |        |
| MC-118                                                                                                                                                                                                                                                 | Monitors 24 Inch Full HD                                                       | III                    |       |                                                                | Main Contractor Approved Sources |         |                             |                                                          |                 |        |
| MC-119                                                                                                                                                                                                                                                 | Network Panel                                                                  | III                    |       |                                                                | Main Contractor Approved Sources |         |                             |                                                          |                 |        |
| MC-120                                                                                                                                                                                                                                                 | Optical Time Domain Reflector-meter (OTDR) with all accessories                | III                    |       |                                                                | Main Contractor Approved Sources |         |                             |                                                          |                 |        |
| MC-121                                                                                                                                                                                                                                                 | Panic Button with Audible Alarm                                                | III                    |       |                                                                | Main Contractor Approved Sources |         |                             |                                                          |                 |        |
| MC-122                                                                                                                                                                                                                                                 | Panic button/SOS button supportin SIP protocol                                 | III                    |       |                                                                | Main Contractor Approved Sources |         |                             |                                                          |                 |        |
| MC-123                                                                                                                                                                                                                                                 | RFID based Stickers                                                            | III                    |       |                                                                | Main Contractor Approved Sources |         |                             |                                                          |                 |        |
| MC-124                                                                                                                                                                                                                                                 | Sliding Gate                                                                   | III                    |       |                                                                | Main Contractor Approved Sources |         |                             |                                                          |                 |        |
| MC-125                                                                                                                                                                                                                                                 | SMS gateway                                                                    | III                    |       |                                                                | Main Contractor Approved Sources |         |                             |                                                          |                 |        |
| MC-126                                                                                                                                                                                                                                                 | Storage Device (SAN/NAS/DAS) of 100 TB each                                    | III                    |       |                                                                | Main Contractor Approved Sources |         |                             |                                                          |                 |        |
| MC-127                                                                                                                                                                                                                                                 | Traffic Light                                                                  | III                    |       |                                                                | Main Contractor Approved Sources |         |                             |                                                          |                 |        |
| MC-128                                                                                                                                                                                                                                                 | Turnstile - half height                                                        | III                    |       |                                                                | Main Contractor Approved Sources |         |                             |                                                          |                 |        |
| MC-129                                                                                                                                                                                                                                                 | SPIKE BARRIER                                                                  | III                    |       |                                                                | Main Contractor Approved Sources |         |                             |                                                          |                 |        |
| MC-130                                                                                                                                                                                                                                                 | CHAIN LINK FENCE                                                               | III                    |       |                                                                | Main Contractor Approved Sources |         |                             |                                                          |                 |        |
| MC-131                                                                                                                                                                                                                                                 | X-ray Baggage Scanner                                                          | III                    |       |                                                                | Main Contractor Approved Sources |         |                             |                                                          |                 |        |
| MC-132                                                                                                                                                                                                                                                 | Static Radio Set                                                               | III                    |       |                                                                | Main Contractor Approved Sources |         |                             |                                                          |                 |        |
| LEGENDS :                                                                                                                                                                                                                                              |                                                                                |                        |       |                                                                |                                  |         |                             |                                                          |                 |        |
| 1.0 SYSTEM SUPPLIER /SUB SUPPLIER APPROVAL STATUS CATEGORY                                                                                                                                                                                             |                                                                                |                        |       |                                                                |                                  |         |                             |                                                          |                 |        |
| A - For those items proposed vendor is acceptable to Customer. To be indicated with letter "A" in the list alongwith the condition of approval, if any.                                                                                                |                                                                                |                        |       |                                                                |                                  |         |                             |                                                          |                 |        |
| 2.0 QP INSPECTION CATEGORY :                                                                                                                                                                                                                           |                                                                                |                        |       |                                                                |                                  |         |                             |                                                          |                 |        |
| CAT - I : For those items the Quality Plans are approved by Customer and final acceptance will be on physical inspection witness by Customer                                                                                                           |                                                                                |                        |       |                                                                |                                  |         |                             |                                                          |                 |        |
| CAT - II : For those items the Quality Plans are approved by Customer. However no physical inspection shall be done by Customer. The final acceptance by Customer shall be on the basis of review of documents.                                        |                                                                                |                        |       |                                                                |                                  |         |                             |                                                          |                 |        |
| CAT - III : For those items Quality control to be exercised as per Main contractor Quality Assurance System. The final acceptance by NTPC shall be on the basis of Certificate of Conformance (COC) by Main Contractor.                                |                                                                                |                        |       |                                                                |                                  |         |                             |                                                          |                 |        |
| UNITS/WORKS : Place of manufacturing- Place of main supplier of multi units/works.                                                                                                                                                                     |                                                                                |                        |       |                                                                |                                  |         |                             |                                                          |                 |        |
| NOTE - 1 : A: Vendors to submit project specific documents as per Sub-QR requirements in case the Vendor is approved under collaboration agreement.                                                                                                    |                                                                                |                        |       |                                                                |                                  |         |                             |                                                          |                 |        |
| B: In case approved sub vendor is offering product with latest model/series apart from earlier approved, vendors to submit project specific documents as per Sub-QR requirements.                                                                      |                                                                                |                        |       |                                                                |                                  |         |                             |                                                          |                 |        |
| NOTE - 2 : For Instrument cable <= 1 KM inspection category CAT - III, For > 1 KM to <= 10 KM Inspection category CAT - II COC & FOR> 10 KM Inspection category CAT-I                                                                                  |                                                                                |                        |       |                                                                |                                  |         |                             |                                                          |                 |        |
| NOTE -3 : For Fiber Optic cable <=10KM inspection category CAT - III & for > 10KM Inspection category CAT-II                                                                                                                                           |                                                                                |                        |       |                                                                |                                  |         |                             |                                                          |                 |        |
| NOTE-4 : Batteries for UPS <= 10 KVA and batteries for intelligent battery charger 24 V DC <= 40 Amp inspection category CAT-III & for Batteries for UPS> 10KVA and batteries for intelligent battery charger 24 V DC > 40 Amp rating                  |                                                                                |                        |       |                                                                |                                  |         |                             |                                                          |                 |        |
| NOTE-5 UPS <= 10 KVA rating inspection category CAT-III & for> 10KVA rating inspection category CAT-I                                                                                                                                                  |                                                                                |                        |       |                                                                |                                  |         |                             |                                                          |                 |        |
| NOTE- 7 - EMPTY CABINETS, COMPUTERS, SIGNAL ISOLATOR/MULTIPLIER and TB SHALL ALSO BE ACCEPTABLE FROM OWNER ACCPETED IN QP. IF THE TOTAL INTEGRATED PANEL AND FAT IS CONDUCTED INDGENEOUSLY                                                             |                                                                                |                        |       |                                                                |                                  |         |                             |                                                          |                 |        |
| NOTE-8 : For the C & I instrumnts mounted on the skid of the main item or supplied as a integral part of the main item, instrument to be supplied as per proven practice of the manufacturer meeting the Customer technical specification              |                                                                                |                        |       |                                                                |                                  |         |                             |                                                          |                 |        |
| NOTE-9- This item is a bought out component of main equipments like DDCMIS, PLC, TSLCCTV, PA system etc                                                                                                                                                |                                                                                |                        |       |                                                                |                                  |         |                             |                                                          |                 |        |
| NOTE-10- For these controlled items, vendor shall be proposed for owner acceptance with-in the agreed contract schedule of the package                                                                                                                 |                                                                                |                        |       |                                                                |                                  |         |                             |                                                          |                 |        |
| NOTE-11 - Major Bought-Out-Items are to be procured from LOA approved sources & the same shall be finalized during the finalization of Manufacturing Quality Plan . MQP shall be duly vetted by OEM with their project specific authorisation letter . |                                                                                |                        |       |                                                                |                                  |         |                             |                                                          |                 |        |

| <br>NTPC नॅटिफिकेशन                                                                                                                                                                                                                  |                  | PROJECT : Lara-II ( 2X800MW)<br>PACKAGE : EPC PACKAGES<br>CONTRACTOR:<br>CONTRACT NO : |       |                   |                 |                       | LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL |                             |                   |                 | REVISION NO : 00<br>DATE :07.06.2022<br>SUB SECTION: C&I |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------------------------------------------------------------------------------|-------|-------------------|-----------------|-----------------------|----------------------------------------------------------------|-----------------------------|-------------------|-----------------|----------------------------------------------------------|--|
| Sr No                                                                                                                                                                                                                                                                                                                  | Item Description | QP Inspection Category                                                                 | QP No | QP submission SCH | QP approval SCH | Proposed Sub Supplier | Country                                                        | SS Approval_Status (Note-I) | SS Detail Sub.SCH | SS Approval SCH | Remark                                                   |  |
| NOTE-12 : Main contractor approved sub vendors are acceptable those are evaluated / assessed as per Main contractor Quality Management System for vendor approval. Main contractor to inform the finally selected vendor to NTPC as soon as PO is placed for these items. In case of sub-QR Note-1 is also applicable. |                  |                                                                                        |       |                   |                 |                       |                                                                |                             |                   |                 |                                                          |  |

Indicative Vendor List

| <div>एनटीपीसी<br/>NTPC</div>                 |                                                                                         | Project/परियोजना : LARA STPP STAGE-II<br>(2X800 MW)<br>Package/ पैकेज : EPC PACKAGE<br>Supplier/ आपूर्तिकर्ता:<br>Contract No./ अनुबंध सं.: |                                      |                                                        | LIST OF ITEMS REQUIRING QUALITY PLAN<br>AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब -<br>वेंडर के अनुमोदन सहित मदों की सूची<br>SUB-SYSTEM उप-प्रणाली: CIVIL WORKS |                        | DOC. NO./ दस्तावेज सं.:<br>REV. NO.:<br>DATE/ तिथि : 08.06.2022<br>PAGE/ पृष्ठ : PAGE 1 OF 7                     |                                                                                                                          |                                                      |
|----------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| S. N.<br>क्र.सं.                             | Item / मद                                                                               | QP/<br>Insp.<br>Cat.<br>क्यूपी/<br>निरी.<br>श्रेणी.                                                                                         | QP<br>No.<br>/<br>क्यू<br>पी.<br>सं. | QP<br>Sub.<br>Sched<br>ule<br>क्यूपी<br>उप.अ<br>नुसूचि | Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता                                                                                                                     | Place/ स्थान           | Sub-suppliers<br>approval<br>status /<br>category<br>उप<br>आपूर्तिकर्ता<br>के<br>अनुमोदन<br>की स्थिति<br>/श्रेणी | Sub-<br>supplier<br>Details<br>submissio<br>n<br>schedule/<br>उप<br>आपूर्तिकर्ता<br>के विवरण<br>प्रस्तुतीकर<br>ण की सूची | Remarks/<br>टिप्पणी                                  |
| 1.                                           | GALVANISED<br>STRUCTURES (LATTICE & PIPE)<br>FOR SWITCHYARD<br>AND<br>TRANSMISSION LINE | I                                                                                                                                           |                                      |                                                        | VIJAY TRANSMISSION LTD                                                                                                                                                | RAIPUR                 | A                                                                                                                |                                                                                                                          |                                                      |
|                                              |                                                                                         |                                                                                                                                             |                                      |                                                        | UNITECH POWER TRANSMISSION LTD                                                                                                                                        | NAGPUR                 | A                                                                                                                |                                                                                                                          |                                                      |
|                                              |                                                                                         |                                                                                                                                             |                                      |                                                        | ASSOCIATED POWER STRUCTURES                                                                                                                                           | VADODARA               | A                                                                                                                |                                                                                                                          |                                                      |
|                                              |                                                                                         |                                                                                                                                             |                                      |                                                        | R.S. INFRAPROJECTS PVT. LTD                                                                                                                                           | SURAJPUR               | A                                                                                                                |                                                                                                                          |                                                      |
|                                              |                                                                                         |                                                                                                                                             |                                      |                                                        | NEW MODERN TECHNOMECH                                                                                                                                                 | MAYURBHANJ<br>(ORRISA) | A                                                                                                                |                                                                                                                          |                                                      |
|                                              |                                                                                         |                                                                                                                                             |                                      |                                                        | GOOD LUCK STEEL TUBES                                                                                                                                                 | SIKANDRABAD            | A                                                                                                                |                                                                                                                          |                                                      |
|                                              |                                                                                         |                                                                                                                                             |                                      |                                                        | UNIQUE STRUCTURES & TOWERS LTD.                                                                                                                                       | RAIPUR                 | A                                                                                                                |                                                                                                                          |                                                      |
|                                              |                                                                                         |                                                                                                                                             |                                      |                                                        | VATCO ELEC-POWER PVT. LTD.                                                                                                                                            | NAVIMUMBAI             | A                                                                                                                |                                                                                                                          | GALVANISING<br>AT SIGMA<br>GALVANISER<br>NAVI MUMBAI |
|                                              |                                                                                         |                                                                                                                                             |                                      |                                                        | R.S. INFRAPROJECTS PVT. LTD                                                                                                                                           | SIKANDRABAD            | A                                                                                                                |                                                                                                                          |                                                      |
|                                              |                                                                                         |                                                                                                                                             |                                      |                                                        | ADVANCE STEEL TUBE                                                                                                                                                    | SAHIBABAD              | A                                                                                                                |                                                                                                                          |                                                      |
|                                              | SANGAM STRUCTURES LTD.                                                                  | ALLAHABAD                                                                                                                                   | A                                    |                                                        |                                                                                                                                                                       |                        |                                                                                                                  |                                                                                                                          |                                                      |
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| <div><div><div>एनटीपीसी</div><div>NTPC</div></div></div> |                                                                | Project/परियोजना : LARA STPP STAGE-II<br>(2X800 MW)<br>Package/ पैकेज : EPC PACKAGE<br>Supplier/ आपूर्तिकर्ता:<br>Contract No./ अनुबंध सं.: |  | LIST OF ITEMS REQUIRING QUALITY PLAN<br>AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब –<br>वेंडर के अनुमोदन सहित मदों की सूची<br>SUB-SYSTEM उप-प्रणाली: CIVIL WORKS |                                    | DOC.NO./ दस्तावेज सं.:    |  |                                                       |
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| 2.                                                       | COLOUR COATED METAL DECK &<br>CLADDING/ROOFING SHEET<br>(COIL) | I                                                                                                                                           |  | RELIABLE SPONGE PVT LTD UNIT III                                                                                                                                      | KALUNGA                            | A                         |  |                                                       |
|                                                          |                                                                |                                                                                                                                             |  | VSP ENTERPRISES PVT. LTD                                                                                                                                              | SONEPAT                            | A                         |  |                                                       |
|                                                          |                                                                |                                                                                                                                             |  | SKIPPER LIMITED                                                                                                                                                       | UNIT-I: JANGALPUR,<br>Howrah.      | A                         |  | Proto type<br>inspection at<br>Unit-Bagnan,<br>Howrah |
|                                                          |                                                                |                                                                                                                                             |  |                                                                                                                                                                       | Unit-II: ULUBERIA<br>UNIT, Howrah. |                           |  |                                                       |
|                                                          |                                                                |                                                                                                                                             |  |                                                                                                                                                                       | UNIT- III: BCTL,<br>Howrah.        |                           |  |                                                       |
|                                                          |                                                                |                                                                                                                                             |  | RUKMANI ELECTRICAL &<br>COMPONENT PVT. LTD                                                                                                                            | RAIPUR                             | A                         |  |                                                       |
|                                                          |                                                                |                                                                                                                                             |  | RICHARDSON & CRUDDAS (1972) LTD                                                                                                                                       | NAGPUR                             | A                         |  |                                                       |
|                                                          |                                                                |                                                                                                                                             |  | TATA STEEL BSL LIMITED                                                                                                                                                | RAIGAD                             | A                         |  |                                                       |
|                                                          |                                                                |                                                                                                                                             |  | TATA STEEL BSL LIMITED                                                                                                                                                | SAHIBABAD                          | A                         |  |                                                       |
|                                                          |                                                                |                                                                                                                                             |  | TATA BLUESCOPE STEEL LTD                                                                                                                                              | JAMSHEDPUR                         | A                         |  |                                                       |
|                                                          |                                                                |                                                                                                                                             |  | ESSAR STEEL LTD                                                                                                                                                       | PUNE                               | A                         |  |                                                       |
|                                                          |                                                                |                                                                                                                                             |  | NATIONAL STEEL & AGRO INDUSTRIES<br>LTD                                                                                                                               | DHAR                               | A                         |  |                                                       |
|                                                          |                                                                |                                                                                                                                             |  | JSW STEEL COATED PRODUCTS LTD                                                                                                                                         | KALMESHWAR<br>(NAGPUR)             | A                         |  |                                                       |
|                                                          |                                                                |                                                                                                                                             |  | JSW LTD                                                                                                                                                               | THANE                              | A                         |  |                                                       |

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|                                                                                     |                                                                                                                                          |    |  |  | BHUSHAN POWER & STEEL LTD                                                                                                                                             | SAMBALPUR<br>(ODISHA) | A |  |                          |  |
| 3.                                                                                  | CHIMNEY ELEVATOR (RACK AND<br>PINION)                                                                                                    | I  |  |  | MEKASTER ENGG. & EQUIPMENT (P)<br>LTD.                                                                                                                                | HALOL, GUJARAT        | A |  |                          |  |
|                                                                                     |                                                                                                                                          |    |  |  | ALIKRAFT ENGINEERS PVT. LTD.                                                                                                                                          | SAVIL<br>(VADODARA)   | A |  |                          |  |
|                                                                                     |                                                                                                                                          |    |  |  | AVON CRANES                                                                                                                                                           | GURGAON               | A |  |                          |  |
|                                                                                     |                                                                                                                                          |    |  |  | UNIVERSAL CONSTRUCTION<br>MACHINERY & EQUIPMENT LTD.                                                                                                                  | PUNE                  | A |  |                          |  |
| 4.                                                                                  | HDPE LINER (GEOMEMBRANE)                                                                                                                 | I  |  |  | MAIN CONTRACTOR APPROVED<br>SOURCE                                                                                                                                    | -                     | - |  |                          |  |
| 5.                                                                                  | ELECTROFORGED GRATING                                                                                                                    | II |  |  | INDIANA GRATINGS PVT. LTD                                                                                                                                             | PUNE                  | A |  |                          |  |
|                                                                                     |                                                                                                                                          |    |  |  | KANADE ANAND UDYOG                                                                                                                                                    | THANE                 | A |  |                          |  |
|                                                                                     |                                                                                                                                          |    |  |  | PREMIER POWER PRODUCTS LTD                                                                                                                                            | HOWRAH                | A |  |                          |  |
|                                                                                     |                                                                                                                                          |    |  |  | BHOLA RAM STEEL PVT. LTD                                                                                                                                              | PATNA                 | A |  |                          |  |
|                                                                                     |                                                                                                                                          |    |  |  | PINAX STEEL INDUSTRIES PVT LTD                                                                                                                                        | PATNA                 | A |  |                          |  |
|                                                                                     |                                                                                                                                          |    |  |  | GREATWELD STEEL GRATING PVT. LTD                                                                                                                                      | PUNE                  | A |  |                          |  |
|                                                                                     |                                                                                                                                          |    |  |  | ANKIT ELECTROGRATING                                                                                                                                                  | RAIPUR                | A |  |                          |  |
|                                                                                     |                                                                                                                                          |    |  |  | SUTTATTI ENTERPRISES LTD.                                                                                                                                             | PUNE                  | A |  |                          |  |

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| <div><div>एनटीपीसी</div><div>NTPC</div></div> |  | Project/परियोजना : LARA STPP STAGE-II<br>(2X800 MW) |  | Package/ पैकेज : EPC PACKAGE |  | Supplier/ आपूर्तिकर्ता:<br>Contract No./ अनुबंध सं.: |  | LIST OF ITEMS REQUIRING QUALITY PLAN<br>AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब -<br>वेंडर के अनुमोदन सहित मर्दों की सूची |  | DOC. NO./ दस्तावेज सं.:   |  |
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|                                               |  |                                                     |  |                              |  |                                                      |  | MAIN CONTRACTOR APPROVED<br>SOURCE                                                                                                |  | -                         |  |
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|                                               |  |                                                     |  |                              |  |                                                      |  | STEEL AUTHORITY OF INDIA LTD. (SAIL)                                                                                              |  | A                         |  |
|                                               |  |                                                     |  |                              |  |                                                      |  | JINDAL STEEL & POWER Ltd. (JSPL)                                                                                                  |  | A                         |  |
|                                               |  |                                                     |  |                              |  |                                                      |  | TATA STEEL LIMITED.                                                                                                               |  | A                         |  |
|                                               |  |                                                     |  |                              |  |                                                      |  | RASHTRIYA ISPAT NIGAM LTD. (RINL)                                                                                                 |  | A                         |  |
|                                               |  |                                                     |  |                              |  |                                                      |  | RAIGAD,<br>MAHARASHTRA;<br>BELLARY                                                                                                |  | A                         |  |
|                                               |  |                                                     |  |                              |  |                                                      |  | BOKARO                                                                                                                            |  | A                         |  |
|                                               |  |                                                     |  |                              |  |                                                      |  | RAIGARH,<br>CHHATTISGARH                                                                                                          |  | A                         |  |
|                                               |  |                                                     |  |                              |  |                                                      |  | CECRI LICENSED SOURCES                                                                                                            |  | -                         |  |
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|  |                                    | Project/ परियोजना : LARA STPP STAGE-II<br>(2X800 MW)<br>Package/ पैकेज : EPC PACKAGE<br>Supplier/ आपूर्तिकर्ता:<br>Contract No./ अनुबंध सं.: |  |  | LIST OF ITEMS REQUIRING QUALITY PLAN<br>AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब -<br>वेंडर के अनुमोदन सहित मर्चों की सूची<br>SUB-SYSTEM उप-प्रणाली: CIVIL WORKS |   |   | DOC. NO./ दस्तावेज सं.:<br>REV. NO.:<br>DATE/ तिथि : 08.06.2022<br>PAGE/ पृष्ठ : PAGE 5 OF 7 |  |
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| 12.                                                                                 | BITUMEN                            | III                                                                                                                                          |  |  | ALL GOVERNMENT REFINARIES                                                                                                                                               | - | - |                                                                                              |  |
| 13.                                                                                 | PTFE BEARING / ELASTOMERIC BEARING | III                                                                                                                                          |  |  | MORTH / RDSO APPROVED VENDORS                                                                                                                                           | - | - |                                                                                              |  |
| 14.                                                                                 | CEMENT                             | III                                                                                                                                          |  |  | BIS APPROVED SOURCES HAVING VALID BIS LICENCE                                                                                                                           | - | - |                                                                                              |  |
| 15.                                                                                 | CI PIPES                           | III                                                                                                                                          |  |  | BIS APPROVED SOURCES HAVING VALID BIS LICENCE                                                                                                                           | - | - |                                                                                              |  |
| 16.                                                                                 | RCC PIPES                          | III                                                                                                                                          |  |  | BIS APPROVED SOURCES HAVING VALID BIS LICENCE                                                                                                                           | - | - |                                                                                              |  |
| 17.                                                                                 | CPVC/UPVC PIPES                    | III                                                                                                                                          |  |  | BIS APPROVED SOURCES HAVING VALID BIS LICENCE                                                                                                                           | - | - |                                                                                              |  |
| 18.                                                                                 | PVC WATER STOP                     | III                                                                                                                                          |  |  | BIS APPROVED SOURCES HAVING VALID BIS LICENCE                                                                                                                           | - | - |                                                                                              |  |
| 19.                                                                                 | POLYTHENE WATER STORAGE TANKS      | III                                                                                                                                          |  |  | BIS APPROVED SOURCES HAVING VALID BIS LICENCE                                                                                                                           | - | - |                                                                                              |  |
| 20.                                                                                 | CERAMIC / VITRIFIED TILES          | III                                                                                                                                          |  |  | BIS APPROVED SOURCES HAVING VALID BIS LICENCE                                                                                                                           | - | - |                                                                                              |  |
| 21.                                                                                 | PARTICLE BOARDS, PLYWOOD, MDF      | III                                                                                                                                          |  |  | BIS APPROVED SOURCES HAVING VALID BIS LICENCE                                                                                                                           | - | - |                                                                                              |  |
| 22.                                                                                 | FIRE PROOF DOORS                   | III                                                                                                                                          |  |  | MAIN CONTRACTOR APPROVED SOURCES WITH VALID PROTOTYPE TEST REPORT FROM CBRI/CPRI/GOV. LAB.)                                                                             | - | - |                                                                                              |  |

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| <div><div><div></div></div><div><div>एनटीपीसी</div><div>NTPC</div></div></div> |                                                                                                                        | Project/परियोजना : LARA STPP STAGE-II<br>(2X800 MW)<br>Package/ पैकेज : EPC PACKAGE<br>Supplier/ आपूर्तिकर्ता:<br>Contract No./ अनुबंध सं.: |  |  | LIST OF ITEMS REQUIRING QUALITY PLAN<br>AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब -<br>वेंडर के अनुमोदन सहित मदों की सूची<br>SUB-SYSTEM उप-प्रणाली: CIVIL WORKS |   |  | DOC. NO./ दस्तावेज सं.: |  |
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| 23.                                                                            | CONSTRUCTION<br>CHEMICALS/ADMIXTURE, WATER<br>PROOFING COMPOUNDS AND<br>GROUTS                                         | III                                                                                                                                         |  |  | MAIN CONTRACTOR APPROVED<br>SOURCE                                                                                                                                    | - |  |                         |  |
| 24.                                                                            | PAINT AND PAINTING SYSTEM                                                                                              | III                                                                                                                                         |  |  | MAIN CONTRACTOR APPROVED<br>SOURCE                                                                                                                                    | - |  |                         |  |
| 25.                                                                            | HIGH SOLID CONTENT LIQUID<br>APPLIED URETHANE BASED<br>ELASTOMERIC MEMBRANE FOR<br>WATER PROOFING                      | III                                                                                                                                         |  |  | MAIN CONTRACTOR APPROVED<br>SOURCE                                                                                                                                    | - |  |                         |  |
| 26.                                                                            | INSTRUMENTATIONS<br>(Porous<br>Tube Piezometer, Surface settlement<br>point, Water level sounder etc.) FOR<br>ASH DYKE | III                                                                                                                                         |  |  | MAIN CONTRACTOR APPROVED<br>SOURCE                                                                                                                                    | - |  |                         |  |
| 27.                                                                            | PRE-ENGINEERED BUILDINGS                                                                                               | III                                                                                                                                         |  |  | MAIN CONTRACTOR APPROVED<br>SOURCE                                                                                                                                    | - |  |                         |  |
| 28.                                                                            | FOUNDATION BOLTS                                                                                                       | III                                                                                                                                         |  |  | MAIN CONTRACTOR APPROVED<br>SOURCE                                                                                                                                    | - |  |                         |  |

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|  | <b>Project/ परियोजना : LARA STPP STAGE-II (2X800 MW)</b><br><b>Package/ पैकेज : EPC PACKAGE</b><br><b>Supplier/ आपूर्तिकर्ता:</b><br><b>Contract No./ अनुबंध सं.:</b> | <b>LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL</b> क्वालिटी प्लान तथा सब - वेंडर के अनुमोदन सहित मदों की सूची<br><br><b>SUB-SYSTEM उप-प्रणाली: CIVIL WORKS</b> | <b>DOC. NO./ दस्तावेज सं.:</b><br><b>REV. NO.:</b><br><b>DATE/ तिथि : 08.06.2022</b><br><b>PAGE/ पृष्ठ : PAGE 7 OF 7</b> |
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**NOTE - 1 : Approval is conditional and subject to Sub QR / Provenances clearance as specified in the contract specification. Further for any change in the Technical specification at later stage vendor approval will be reviewed accordingly.**

**NOTE 2:** For the items placed in CAT-III for Civil Works, the review and final acceptance shall be done by NTPC-EIC/ FQA on the basis of MTC / certificate of conformance in line with Technical Specifications/FQP.

#### LEGENDS/ संकेतिका

SYSTEM SUPPLIER/SUB-SUPPLIER APPROVAL STATUS CATEGORY / प्रणाली आपूर्तिकर्ता / सब - वेंडर की स्वीकृति की स्थिति की श्रेणी (SHALL BE FILLED BY NTPC एनटीपीसी द्वारा भरा जाएगा)

**A – For these items proposed vendor is acceptable to NTPC. To be indicated with letter “A” in the list along with the condition of approval, if any./ इन मदों के लिए प्रस्तावित वेंडर एनटीपीसी को स्वीकार्य है। अनुमोदन की शर्त, , यदि कोई हो, के साथ-साथ पत्र “क” में इंगित किया जाए।**

**DR – For these items “Detailed required” for NTPC review. To be identified with letter “DR” in the list. एनटीपीसी द्वारा इन मदों की समीक्षा के लिए “विस्तृत ब्यौरे की आवश्यकता” होगी। सूची में “DR” पत्र में इंगित किया जाना चाहिए।**

**QP/INSPN CATEGORY:** क्यूपी / निरीक्षण की श्रेणी:

**CAT-I / श्रेणी- I:** For these items the Quality Plans are approved by NTPC and the final acceptance will be on physical inspection witness by NTPC. इन मदों के लिए गुणवत्ता योजनाओं को एनटीपीसी द्वारा अनुमोदित किया जाता है और एनटीपीसी द्वारा अंतिम स्वीकृति भौतिक निरीक्षण के दौरान उपलब्ध गवाह के आधार पर दी जाएगी।

**CAT-II / श्रेणी- II:** For these items the Quality Plans approved by NTPC. However no physical inspection shall be done by NTPC. The final acceptance by NTPC shall be on the basis review of documents as per approved QP. इन मदों के लिए गुणवत्ता योजनाओं को एनटीपीसी द्वारा अनुमोदित किया जाता है। हालाँकि एनटीपीसी द्वारा कोई भौतिक निरीक्षण नहीं किया जाएगा। एनटीपीसी द्वारा अंतिम स्वीकृति अनुमोदित क्यूपी के अनुसार दस्तावेजों की समीक्षा के आधार पर दी जाएगी।

**CAT-III/ श्रेणी-III :** For these items Quality control to be exercised as per Main contractor Quality Assurance System. The final acceptance by NTPC shall be on the basis of Certificate of Conformance (COC) by Main Contractor.

**UNITS/WORKS इकाईयां / कार्य:** Place of manufacturing/ निर्माण का स्थान Place of Main Supplier of multi units/works/बहु- इकाइयों / कार्यों के मुख्य सप्लायर का स्थान.

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