

		Project/ परियोजना : LARA-II Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:		LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब - वेंडर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली:SG(MECH)				DOC. NO./ दस्तावेज सं.:			
								REV. NO.:			
								DATE/ तिथि : 08.06.2022			
								PAGE/ पृष्ठ : PAGE 52 OF 53			
S. N. क्र. सं.	Item / मद	QP/ Insp. Cat. क्यूपी / निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)	Applicable Note
	NOTE-1 : For final Sub-QR approval , document required to be submitted as per Sub-QR requirements given in the specification. 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: Predespatch inspection for Alloy/SS Grades needs to be tied up by Main contractor or Third-party inspection agency as required. NOTE-4 : (S) Review of Mill TC for Raw Material to be done by NTPC and shall be included in the QP of corresponding equipment. NOTE-5: Raw Material for 91 and above Grade Material Fittings to be from NTPC approved sources as per Raw Material vendor List. NOTE-6:For Motorized/Pneumatic actuated valves the suppliers for actuators shall be from NTPC approved list, Refer NTPC C&I list.										

		Project/ परियोजना : LARA-II Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब - वेंडर के अनुमोदन सहित मर्दों की सूची SUB-SYSTEM उप-प्रणाली:SG(MECH)				DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 08.06.2022 PAGE/ पृष्ठ : PAGE 53 OF 53	
S. N. क्र.सं.	Item / मर्द	QP/ Insp. Cat. क्यूपी / निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Proveness Clause (Refer Note-I)	Applicable Note
	LEGENDS/ संकेतिका SYSTEM SUPPLIER/SUB-SUPPLIER APPROVAL STATUS CATEGORY / प्रणाली आपूर्तिकर्ता / सब - वेंडर की स्वीकृति की स्थिति की श्रेणी (SHALL BE FILLED BY 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 मर्दों के लिए 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 मर्दों 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 मर्दों के लिए गुणवत्ता योजना 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 review of documents as per approved QP. इन मर्दों के लिए गुणवत्ता योजनाओं को एनटीपीसी द्वारा अनुमोदित किया जाता है। हालाँकि एनटीपीसी द्वारा कोई भौतिक निरीक्षण नहीं किया 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 C 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- इकाईयों / कार्यो के मुख्य सलाह का स्थान.										

PROJECT : LARA-II (2X800MW) PACKAGE : EPC PACKAGES CONTRACTOR: CONTRACT NO :				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL						REVISION NO : 00 DATE : 08.06.2022 SUB SECTION: QA-TG(MECH)		
Sr No	Item Description	QP Inspection Category	QP No	QP submission at SCH	Proposed Sub Supplier	Country	SS Approval_Status	SS Detail Sub.SCH	SS Approval SCH	Remark	Package Applicable	Provenness Clause (Refer Note-I)
1	HP/IP Outer Casing Casting (1.25Cr & 2.25Cr)	I			Voestalpine	Austria	A					
					JCF C	Japan	A					
					JSW	Japan	A					
					GE	Poland	A					
					Kobe Steel	Japan	A					
					Starwire	Faridabad	A					
					Sande Stahlguss GmbH	Germany	A					
2	HP/IP Inner Casing Casting (9 Cr)	I			ISGEC	Muzaffarnagar	A					
					LMB Heavy Casting Unit	Hazira	A			Weight upto 38 T, 1.25 Cr Grade		
					BHEL-CFFP	Hardwar	A					
					Voestalpine	Austria	A					
					JCF C	Japan	A					
					JSW	Japan	A					
					GE	Poland	A					
3	HP/IP Inner & Outer Casing Machining	I			Kobe Steel	Japan	A			Weight Upto 22T		
					Starwire	Ballabgarh	A					
					Sande Stahlguss GmbH	Germany	A					
					Gruppo Cividale	Italy	A			Weight Upto 20T		
					LMB Heavy Casting Unit	Hazira	A					
					BHEL-CFFP	Hardwar	A					
					Sande Greditz	Germany	A			Weight Upto 20T		
4	HP/IP/LP Turbine shaft Forging	I			LMTG	Hazira	A					
					MHPS	Japan	A					
					FUJIELECTRIC	Japan	A					
					ROSSEL DUSO	Venice	A					
					Toshiba works	Japan	A					
					TJPS	Chennai	A					
					GE	Sanand	A					
5	Turbine shaft machining	I			BRUNO PRESEZZI	Italy	A					
					NUGO ROMANO	Italy	A					
					BHEL (HEEP)	Hardwar	A					
					Siemens	Germany	A					
					GNW	Germany	A			HP/IP Inner Casing		
					Sharp	Pune	A			Previous Name:MCE		
					BILFINGER MAS GMBH	Austria	A					
					JCF C (Japan Casting & Forging Corp.)	Japan	A					
					SAARSCHEMIEDE	Germany	A					
					JSW	Japan	A					
					Pacific Steel Mfg Co Ltd	Japan	A					
					Schmiedewerke Greditz	Germany	A					
					Buderus Edelstahl	Germany	A					
					Cruetot Forge	France	A					
					Kobe Steel	Japan	A					
					SDF	Italy	A					
					Siemens	Germany	A					
					Franco Tosi	Italy	A			HP/IP		
					BHEL (HEEP)	Hardwar	A					
					ROSSEL DUSO	Italy	A					
					BRUNO PRESEZZI	Italy	A			HP/IP		
					NUGO ROMANO	Italy	A					
					MCE MAP (Voist Alpine)	Austria	A			HP		
					GE	Poland/ Switzerland/ France/ Sanand	A					
					Toshiba	Japan	A					

PROJECT : LARA-II (2X800MW) PACKAGE : EPC PACKAGES CONTRACTOR: CONTRACT NO. :				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL					REVISION NO : 00 DATE :08.06.2022 SUB SECTION: QA-TG(MECH)			
Sr No	Item Description	QP Inspection Category	QP No	QP submission at SCH	Proposed Sub Supplier	Country	SS Approval_Status	SS Detail Sub.SCH	SS Approval SCH	Remark	Package Applicable	Provenness Clause (Refer Note-I)
6	HP/IP/LP Stationary & Moving Blades Bar stock	I			TJPS	Chennai	A					
					MHPS	Japan	A					
					LMTG	Hazira	A					
					FUZI ELECTRIC	Japan	A					
					Böhler	Austria	A					
					Böhler Schmiedetechnik	Germany	A					
					WELZEWERKE REVENE	Germany	A					
					DIODO	Japan	A					
					Hitachi	Japan	A					
					Starwire	Ballaigharh	A					
7	HP/IP/LP Stationary & Moving Blades Machining(From Bar)	I			Gloria Material Technology Corp	Taiwan	A					
					Acciaierie Valbruna S.p.a.	Italy	A					
					BGH Edelstahl GmbH	Germany	A					
					Carpenter Technology Co.	USA	A					
					Daido	Japan	A					
					Sz-metal Ravne D.o.o.	Slovenia	A					
					Einsal	Germany	A					
					Walzwerke Einsal	Switzerland	A					
					Nichia Tanko Co Ltd	Japan	A				LP Blades	
					SET	Hungary	A					
8	LP Forged Blades(Drop)-Material	II			MHPS	Japan	A					
					Leisritz-Numberg	Germany	A					
					Energetechnik Einsal	Germany	A					
					Prawest	Germany	A				FOR LP STATIONARY BLADES	
					ZEMA	Italy	A				FOR LP STATIONARY BLADES	
					LMTG	Hazira	A					
					GE	Switzerland/ Germany/						
					Enem Excel	Sanand	A					
					TJPS	Hyderabad	A					
					Toshiba	Chennai	A					
9	LP Forged Blades(Drop) Machining	I			BHEL (HEEP)	Japan	A					
					Siemens	Haridwar	A					
					QTPL	Germany	A					
					AZAD ENGG	Bangalore	A				For Guide Blades	
					MHPS	Hyderabad	A					
					GE	Japan	A					
					Leisritz Turbinenkomponenten	Switzerland	A					
					SMB SA	Germany	A					
					C-BLADE SPA	Switzerland	A				For L1 stage(Last but one) blades	
					BOHLER	Italy	A					

PROJECT : LARA-II (2X800MW) PACKAGE : EPC PACKAGES CONTRACTOR: CONTRACT NO :				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL						REVISION NO : 00 DATE :08.06.2022 SUB SECTION: QA-TG(MECH)		
Sr No	Item Description	QP Inspection Category	QP No	QP submis sion at SCH	Proposed Sub Supplier	Country	SS Approval_Status	SS Detail Sub.SCH	SS Approval SCH	Remark	Package Applicable	Provenness Clause (Refer Note- 1)
10	LP Cast Blades(material) & Machining	I			Formetal (cismocisco)	Italy	A			For casting		
					Juergens	Germany	A				For casting	
					GE Power Systems	Germany	A					
					IPCL	Bhavnagar	A					
					EXCEL HITECH	Ghaziabad	A			For casting		
11	LP Hollow Blades	I			AK ALLOYS	Ahmedabad	A					
					PTC	Lucknow/ Mehsana	A					
					AMBE ENGG-	Ghaziabad	A				For Machining only	
					Binder	Switzerland	A					
					Prime Hi-Tech Engineering Limited	Naidupet, AP	A					
12	LP Inner/Outer casing Fabrication	I			LMTG	Hazira	A					
					BHEL (HEEP)	Haridwar	A					
					SHARP	Pune	A					
					Shape Engg.	Haridwar	A					
					GE	Croatia/ Shahabad	A					
13	LP Inner casing Casting (GGG40)	I			D&N	Germany	A					
					KCP	Chennai	A					
					ISGEC(Weight upto 38T)	Yamunanagar	A					
					GE Power sp Z.o.o	Poland	A					
					L&T	Kansbahal	A					
14	LP Inner/Outer casing Machining	I			FWH Friedrich Wilhems-Hute GmbH	Germany	A					
					Heidenheimer Gressen GmbH	Germany	A					
					Pilsen Steel	Czech	A					
					Buderus Spezialguss GmbH	Germany	A					
					LMTG	Hazira	A					
15	LP Crossover Pipe	I			BHEL (HEEP)	Haridwar	A					
					TIPS	Chennai	A					
					MHPS	Japan	A					
					SHARP	Pune	A					
					LONE STAR	Chennai/ Cheyyar	A					
16	Electro-Hydraulic Actuators	I			Hatec	Germany	A					
					Rohr-und Anlagenbau (ROBA)	Germany	A					
					Songhwa	S Korea	A					
					Dee Development	Balabigarh	A					
					HKR	S Korea	A					
17	Hydraulic Power Pack Unit	I			Babylon	Germany	A					
					Eichhoff	Germany	A					
					LMTG	Hazira	A					
					Mech engineers	Valsad	A					
					MHPS	Japan	A					
18	Actuator & Valve For CBHNRV & OC-NRV	I			GE	Germany	A					
					Horst Thiele	Germany	A					
					Bosch Rexroth	Germany	A					
					MOOG	Japan	A					
					Bosch Rexroth	Germany	A					
19	Hydraulic Power Pack Unit	I			Bosch Rexroth	Ahmedabad	A					
					Hydac	Germany	A					
					Hydac	Combatore	A					
					Weir	USA	A					
					Cesare Bonetti	Italy	A					
20	Actuator & Valve For CBHNRV & OC-NRV	I			BABCOCK	Spain	A					

PROJECT : LARA-II (2X800MW) PACKAGE : EPC PACKAGES CONTRACTOR: CONTRACT NO :				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL						REVISION NO : 00 DATE : 08.06.2022 SUB SECTION: QA-TG(MECH)		
Sr No	Item Description	QP Inspection Category	QP No	QP submission at SCH	Proposed Sub Supplier	Country	SS Approval_Status	SS Detail Sub.SCH	SS Approval SCH	Remark	Package Applicable	Provenness Clause (Refer Note-I)
19	HP/IP/LP Shaft Seals	II			ADAMS	Germany	A					
					BHEL	Trichy	A					
					SEMPPELL	Germany	A					
					TPT	S Korea	A					
					Starwire	Balabagh	A					
					Kolhapur Steel	Kolhapur	A			Upto 850NB & Class upto 900 special		
					Silbitz Guss	Germany	A					
					StahlgußSaar	Germany	A					
					GE	Sarand	A					
					PMT	Pune	A			For INGOTS		
20	TC Bearings	I			Wellbore	Ahmedabad	A					
					Bharat Forge	Pune	A					
					Indo air	Ahmedabad	A					
					Toshiba	Japan	A					
					GE	Germany	A					
					Kingbury	USA	A			For Thrust Bearing		
					Omega	Bhopal	A					
					Eurobearing	Italy	A					
					John Crane Bearing	Germany	A					
					BHEL (HEEP)	Hardwar	A					
21	MOP/EOP	I			Wuakesha Bearing	UK	A					
					Euro Bearings	Faridabad	A					
					Kingsbury	USA	A					
					Allweiler	Germany	A					
					ABB	Switzerland	A					
					Bosch Rexroth	Germany/ Switzerland	A					
					Toshiba	Japan	A					
					Ebara Yoshikura Hydrotec Ltd.	Japan	A					
					Bosch Rexroth	Germany	A					
					Allweiler	Switzerland	A					
22	Jacking Oil Pump	I			Leitritz	Germany	A					
					MITTEN MANUFACTURING, INC.	USA	A					
					PARKER HANIFIN	Japan	A					
					Allweiler	Daman	A					
					Facet	Spain	A					
					Pall Corporation	USA	A			Coalescer Type		
					Alfa Laval	Pune	A			For control fluids		
					Hilliard	USA	A			Centrifuge Type		
					Kaydon Filtration	USA	A			Coalescer Type		
					Westfalia Separator India Pvt Ltd.	Germany/ Bangalore	A			Coalescer Type		
23	Oil Purification Unit	I			Rotring	Germany	A					
					Rockfin Group	Poland	A					
					Hydac	Germany	A					
					Boill & Kireh	Germany	A					
					Rockfin	Poland	A					
					BHEL Piping Center	Chennai	A					
					Unitech	Saharanpur	A					
					Bend Joints	Bhopal	A					
					Pal Engineering	Yamunagar	A					
					Seonghwa	S Korea	A					
24	Duplex Oil Filter With Oil Changeover Valve	I			L&T Piping Center	Hazira	A					
					Dee Development	Balabagh	A					
25	Turbine Integral Piping	I										

PROJECT : LARA-II (2X800MW) PACKAGE : EPC PACKAGES CONTRACTOR: CONTRACT NO :				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL					REVISION NO : 00 DATE :08.06.2022 SUB SECTION: QA-TG(MECH)			
Sr No	Item Description	QP Inspection Category	QP No	QP submis sion at SCH	Proposed Sub Supplier	Country	SS Approval_Status	SS Detail Sub.SCH	SS Approval SCH	Remark	Package Applicable	Provenness Clause (Refer Note- 1)
26	Oil Module including Central Lubrication System	I			Kelag	Switzerland	A					
					VDL Delmas	Germany	A					
					Hydac India Pvt. Ltd	Combatore	A					
					AEL	Germany	A					
					Flenco	Italy	A					
					Hydac	Germany	A					
27	Thermal Insulation	II			King Dynamics	Switzerland	A					
					Southern Lubrication	Bangalore	A					
					ENPRO	Pune	A					
					Eugen Arnold GmbH	Germany	A					
					Heinrich Tapp GmbH	Germany	A					
					Lloyds Insulation	India	A					
28	Condenser (water cooled) (Sub QR Item)	I			Minwool Rock Fibre	Bhilai	A					
					Thermocare	Rajnandgaon	A					
					Dhanbad Rockwool Insulation	Dhanbad	A					
					Minsulate Manufacturing Co	Jamshed	A					
					MHI	Japan	A					
					THERMAL ENGG INTERNATIONAL (TEI)	USA	A					
29	Condenser Fabricator (water cooled)	I			TJPS	Chennai	A					
					TOSHIBA CORPORATION LTD	Japan	A					
					LMTG	Surat	A					
					BHEL	Hardwar	A					
					ABFPL	Sanand	A					
					GE	Switzerland	A					
30	HP Heaters (Sub QR Item)	I			ISGEC	Yamunanagar	A					
					GE Power india Ltd.	Durgapur	A					
					Godrej & Boyce Manufacturing Company Ltd	Mumbai	A					
					TEMA India Ltd.,	Thane	A					
					TOSHIBA CORPORATION LTD	Japan	A					
					TJPS	Chennai	A					
31	LP/HP Heater Fabricator	I			SPX Heat Transfer Inc. (Erstwhile Yuba Heat Transfer)	USA	A					
					GE	France	A					
					ABFPL	Sanand	A					
					BHI	S Korea	A					
					THERMAL ENGG INTERNATIONAL	USA	A					
					HOLTEC	USA	A					
32	LP Heaters (Sub QR Item)	I			L&T	Hazira	A					
					BHEL	Hyderabad	A					
					ISGEC	Yamunanagar	A					
					Godrej & Boyce Manufacturing Company Ltd	Mumbai	A					
					TEMA India Ltd.,	Thane	A					
					TOSHIBA CORPORATION LTD	Japan	A					

PROJECT : LARA-II (2X800MW) PACKAGE : EPC PACKAGES CONTRACTOR : CONTRACT NO :				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL					REVISION NO : 00 DATE :08.06.2022 SUB SECTION: QA-TG(MECH)			
Sr No	Item Description	QP Inspection Category	QP No	QP submis sion at SCH	Proposed Sub Supplier	Country	SS Approval_Status	SS Detail Sub.SCH	SS Approval SCH	Remark	Package Applicable	Provenness Clause (Refer Note- 1)
					THERMAL ENGG INTERNATIONAL BHEL L&T HOLTEC	USA Hyderabad Hazira USA	A A A A					
33	Condensate Extraction Pump (CEP) (Sub QR Item)	I			KSB BHEL SULZER Pumps Clyde Pumps India pvt. Ltd. GARDNER Denver/Nash GARDNER Denver/Nash Tsurumi pumps Edwards TJPS BHEL BGR	Chinchwad, Pune Hyderabad Mumbai Ghaziabad Germany Pune Japan UK Chennai Hyderabad Chennai	A A A A A A A A A A					
34	Condenser Air Evacuation Pumps (Sub QR Item)	I			Godrej Altech TEMA India Ltd., BGR Energy System Ltd. KSB	Yamunagar Bhivadi Mumbai Chennai Germany Pune	A A A A A A					
35	Deaerator (Sub QR Item)	I			KSB Sulzer Pumps Sulzer Flowsolve FLOWERVE Flowsolve Hitachi Ebara Corporation MHI BHEL Ebara Corporation Flowsolve KSB	Mumbai UK Switzerland Combatore Spain Japan Japan Japan Hyderabad Japan Spain Germany Pune	A A A A A A A A A A A					
36	Deaerator Fabricator	I			Mitsubishi Heavy Industry HITACHI PLANT TECHNOLOGY BHEL Sulzer Pumps SULZER Siemens Hitachi GE Thermodyne GE India Industrial Pvt. Ltd. Toshiba TJPS Power machines(Kaluga) BHEL MHI Skoda CCI	Japan Japan Hyderabad Mumbai UK Germany Japan France Pune Japan Chennai Russia Hyderabad Japan Czech republic Sweden/ Switzerland/ Czech Republic	A A A A A A A A A A A A A					
37	Booster Pump	I										
38	Boiler Feed Pump (BFP) (Sub QR Item)	I										
40	Drive Turbine for BFP	I										
41	HP Bypass Valves (Sub QR Item)	I										

PROJECT : LARA-II (2X800MW) PACKAGE : EPC PACKAGES CONTRACTOR: CONTRACT NO :				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL						REVISION NO : 00 DATE : 08.06.2022 SUB SECTION: QA-TG(MECH)		
Sr No	Item Description	QP Inspection Category	QP No	QP submission at SCH	Proposed Sub Supplier	Country	SS Approval_Status	SS Detail Sub.SCH	SS Approval SCH	Remark	Package Applicable	Provenness Clause (Refer Note-I)
					CCI	Chittoor,AP	A					
					Bomafa	Germany	A					
					Bomafa	Ahmedabad	A					
					CCI	Sweden/ Switzerland/ Czech Republic	A					
42	LP Bypass Valves (Sub QR Item)	I			CCI	Chittoor,AP	A					
					BOMIAFA	Ahmedabad	A					
					BOMIAFA	Germany	A					
43	Condensor On-load Tube cleaning system (COLTCS) (Sub QR Item)	I			GFA BGR	Chennai	A					
					Multitex Filtration	Greater Noida	A					
44	Hydraulic Coupling for BFP	I			Voith	Hyderabad	A					
					Voith	Germany	A					
					Pipe Support	Chennai	A					
					Lisega	Germany	A					
					Lisega	Ahmedabad	A			Load upto to 100KN		
					Seonghwa	S Korea	A					
					Pipe supports	UK	A					
					GILLARDINI	Italy	A					
					BERJEN	Chittoor,AP	A					
					NHK SPRING	Japan	A					
					Yamashita Seisakusho Co. Ltd	Japan	A					
					MHI	Japan	A					
45	Hangers & Supports; Pipe Support components including Spring Hangers	I			SANWA TEKKI CORPORATION	Japan	A					
					CARPENTER AND PETERSON	UK	A					
					CARPENTER & PATERSON INDIA PRIVATE LTD.	Vellore	A			CLH Upto 30 T AND VLH Upto 32 T		
					AAA Supports Private Limited	Vadodara	A			CLH Upto 23.8T & VLH Upto 20.7T For CLH, VLH and Rigid supports Max. Load 1.5 MT		
					Carpentor & Patterson	USA/Thailand	A					
					Lonestar	Chennai	A			For size up to NB9200		
					Flexicon	Vadodara	A			For size upto 2200NB		
					Witzemann	Germany	A					
					Munro & Miller	UK	A					
					Flexatherm	Vadodara	A			For size upto 2200NB		
					Bird Precision	UK	A					
					Metallic Bellows	Chennai	A			For size up to 1600 NB		
					M B Metallic Bellows	Chennai	A			For size upto 2200NB		
					Athulya Bellows and Engineering Pvt. Ltd	Vadodara	A			For size up to NB 3400		
					HKR	S Korea	A					
					BHR	Germany	A					
					Seonghwa	S Korea	A					
					Finov	Germany	A					
					TOSHIBA	Japan	A					
47	HP Piping -Fabrication (Based on Design and Drawings of Qualified Vendor)	I			BHEL	Piping Center, Chennai	A					
					L&T	Hazira	A					
					Dee development	Ballabgarh	A					
					Bendtec	USA	A					
					Wymar-Gordon	USA	A					
					Sumitomo	Japan	A					

PROJECT : LARA-II (2X800MW) PACKAGE : EPC PACKAGES CONTRACTOR: CONTRACT NO :				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL						REVISION NO : 00 DATE : 08.06.2022 SUB SECTION: QA-TG(MECH)		
Sr No	Item Description	QP Inspection Category	QP No	QP submission at SCH	Proposed Sub Supplier	Country	SS Approval_Status	SS Detail Sub.SCH	SS Approval SCH	Remark	Package Applicable	Provenness Clause (Refer Note-I)
48	HP Pipes and Fittings (Mills)	II			Tenaris	Italy	A					
					V&M	Germany	A					
					V&M	France	A					
					IBF	Italy	A					
					SUNGWANG BEND	S Korea	A			UP TO 24INCH IN CS/AS MATERIAL		
					Productos Tubulares	Spain	A					
					JFE	Japan	A					
					Bentler	Germany	A					
					TK CORPORATION	S Korea	A			UP TO 24INCH IN CS MATERIAL		
					TUBOS REUNIDOS	Spain	A					
49	Elastomer Large Bellows or Flexibles Rubber Bellows	I			MEGA	Italy	A			For Fittings Only		
					Petrol Raccord,	Italy	A			UP TO 24INCH IN CS MATERIAL & UP TO 18 INCH IN AS MATERIAL		
					Benkan Japan KK	Japan	A			UP TO 24INCH IN CS MATERIAL		
					Cori Engineers Pvt. Ltd.	Chennai	A			UP TO 2700 NB		
					SRM Ecoflex	Kolkata	A			UP TO 2700 NB		
					KSB	Germany	A					
					Nasosenergomash	Ukraine	A					
					Sulzer Pumps	Mumbai	A					
					KSB	Pune	A					
					Hyundai	S Korea	A					
50	Heater Drains Recovery Pumps (Drip Pump)	I			KBL	Pune	A					
					Flowsolve	Combatore	A					
					GEA-BGR	Chennai	A					
					Multitex	Gr.Noida	A					
					Remi	Tarapur,India	A			SS		
					Apex	Alwar	A			SS (up to 150NB)		
					Ratnamani	Ahmedabad	A			SS		
					ISMT	India	A			CS (up to 400 NB)		
					Maharashtra Seamless Ltd.	Maharashtra	A			CS (up to 400 NB)		
					Tube Products Incorporate	Ahmedabad	A					
52	LP Pipes & Fittings (CS & SS)	I			TK Corporation	S Korea	A					
					Dee development	Palwal	A					
					Jindal Saw	India	A			CS (up to 400 NB)		
					Tata	India	A			ERW		
					Surya	India	A			ERW		
					JINDAL PIPES LTD	India	A			ERW		
					WELSPUN	India	A			ERW		
					Lalit Pipes & pipes Ltd.,	Thane	A			ERW Pipes		
					Ratnammi Metals and Tubes Ltd.,	Gandhinagar	A			ERW Pipes		
					Fouress Engg. *	Bangalore	A			upto 2600 NB		
53	Butterfly Valves (* Also for steam services)	I			IL *	Palakkad	A			upto 2200 NB		
					BHEL *	Bhopal, India	A					
					Kriloskar Bros. Ltd	Pune	A					
					L&T	Chennai	A					
					Trilium Flow	Hubli	A					
					Tyco	Halol	A					
					L&T	Combatore	A					
					Intervalve	Pune	A					
					L&T	Chennai/Combatore	A					
					Velan	Canada/Combatore	A					

NEW PROJECT - NTPC PROJECT : LARA-II (2X800MW) PACKAGE : EPC PACKAGES CONTRACTOR : CONTRACT NO :		LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL							REVISION NO : 00 DATE :08.06.2022 SUB SECTION: QA-TG(MECH)			
Sr No	Item Description	QP Inspection Category	QP No	QP submission at SCH	Proposed Sub Supplier	Country	SS Approval_Status	SS Detail Sub.SCH	SS Approval SCH	Remark	Package Applicable	Provenness Clause (Refer Note-I)
54	Valves (gate/ globe/check) for LP application	I			KSB	Germany/Coimbatore	A					
					ToA	Japan	A					
					Fourss Engg	Aurangabad	A					
					Trillium Flow	Hubli	A					
					Crane	USA	A					
					Samshin	S Korea	A					
					KBL	Pune	A					
					Weir	UK	A					
					Leader	Jalandhar	A					
					BHEL	Trichy	A					
					Pentair (Tyco Sempell)	Trichy	A					
					HP Valves(Key Valves Technology)	Netherlands	A					
					IL	Palakkad	A					
					Steel Strong	Mumbai	A					
55	HP Feedwater Heaters Automatic (String Bypass) Isolation Valves	I			KSB	Germany	A					
					Tyco Sempell	Germany	A					
					Strack	Germany	A					
					BHEL	Trichy	A					
					Weir Valves & Controls UK Ltd	UK	A					
					KSB	Germany /Coimbatore	A					
56	Water Steam Cycle HP Valves	I			L&T	Chennai	A					
					L&T	Coimbatore	A					
					Velan	Coimbatore	A			up to 2inch, #4500 (up to P92 grade)		
					HP Valves	Netherlands	A			Previous Name Key Valves Technology		
					Weir Valves & Controls UK Ltd	UK	A					
					BHEL	Trichy	A					
					Crane	USA	A					
					Samshin	S Korea	A					
					Pentair(Tyco Sempell)	Germany	A					
					Velan	Canada	A					
					ToA	Japan	A					
					Tyco	USA	A					
					BHEL	Trichy	A					
					Dresser	USA	A					
57	Safety Valves	I			Tyco	USA	A					
					Babcock	Spain	A					
					Flanger	Germany	A					
					Bopp & Reuther	Germany	A					
					Flanger	Nasik	A					
					Reineke	Germany	A					
					Valve Technology	USA	A					
					KSB	Coimbatore	A					
					Leader	Jalandhar	A					
					L&T	Chennai	A					
58	Forged Steel Valves up to 2" , Class 800 (FCS/FSS)	I			Velan	Canada	A					
					Fourss Engg	Ahmadnagar	A					
					Trillium Flow	Hubli	A					
					Velan	Canada	A					
					Steel Strong	Mumbai	A					
					L&T	Coimbatore	A					
					Plymouth	USA	A					

PROJECT : LARA-II (2X800MW) PACKAGE : EPC PACKAGES CONTRACTOR: CONTRACT NO.:		LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL					REVISION NO. : 00 DATE 30.06.2022 SUB SECTION: QA-TG(MECH)					
Sr No	Item Description	QP Inspection Category	QP No	QP submission at SCH	Proposed Sub Supplier	Country	SS Approval_Status	SS Detail Sub.SCH	SS Approval SCH	Remark	Package Applicable	Provenness Clause (Refer Note-1)
59	Condenser Tubes	I			Ratnamani	Kutchh	A					
				Neotiss Limited	Medak,AP	A			Remarks Formerly Vallourec Heat exchanger Tubes Ltd/ CST Valinox Ltd.			
				REMI Edelstahl Tubulars Ltd.	Tarapur	A						
				Shin han Metal	S Korea	A						
				Valimat	France	A						
60	HP/LP Heater tubes	I			Nippon Steel Corp.	Japan	A					
				Ratnadeep Metal & Tubes Ltd	Mehsana	A						
				Scholler Werke GmbH	Germany	A						
				Plymouth	USA	A						
				Ratnamani	Kutchh	A						
				Ratnamani	Mehsana	A						
				Valimat	France	A						
				Nippon Steel Corp.	Japan	A						
				Scholler Werke	Germany	A						
				Heavy Metals and Tubes	Gandhinagar	A						
				Shin han Metal	S Korea	A			LP Heater			
				Apex	Alwar	A			LP Heater			
61	(Sub-QR) Hydrogen Generation Plant Item)	I			Ratnadeep Metal & Tubes Ltd	Mehsana	A					
				REMI Edelstahl Tubulars Ltd.	Tarapur	A						
				Neotiss Limited	Medak,AP	A			Remarks Formerly Vallourec Heat exchanger Tubes Ltd/ CST Valinox Ltd.			
				Proton Energy Systems	USA	A						
				MVS ENGINEERING LIMITED	New Delhi	A			Bi-polar type, 2x6NM3/Hr			
				SUKAN ENGG. PVT. LTD	Mumbai	A			Bi-polar type, 2x6NM3/Hr			
				Eastern Electrolyzer Limited	Noida	A			Bi-polar type, 2x6NM3/Hr			
				Teledyne Energy System Inc.	USA	A						
				AIROX NIGEN EQUIPMENTS LTD	Ahmedabad	A			Bi-polar type, 2x6NM3/Hr			
				Electrolyser Corporation	Canada	A						
Main Contractor Approved Sources(Note-3)												
1	Turbine Bearing Pedestal	I			Main Contractor Approved Sources							
2	Chemical Dosing System	I			Main Contractor Approved Sources							
3	Vapour Exhauster With Motor	II			Main Contractor Approved Sources							
4	Drain Cooler & Misc Tanks	II			Main Contractor Approved Sources							
5	Oxygen/NaOH Dosing System	II			Main Contractor Approved Sources							
6	Misc Items like Internals of equipments(if not covered in MQP) & Consumables like paints, gaskets etc.	III			Main Contractor Approved Sources							
NOTE - 1 : For final Sub-QR approval , document required to be submitted as per Sub-QR requirements given in the specification.												
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 evaluated / assessed as per Main contractor Quality Management System is acceptable.												
LEGENDS/ संकेतिका												
* - Inspection category will be decided during vendor evaluation.												
1.0 SYSTEM SUPPLIER /SUB SUPPLIER APPROVAL STATUS CATEGORY प्रणाली अपूर्विकता/ सब-सुप्लायर की स्तिथि की श्रेणी												
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 वेडर एप्लीमेंसी को स्वीकार्य है। अनुमोदन की शर्तें, यदि कोई हों, के साथ-साथ प्र "A" में इंगित किया जाए।												

 PROJECT : LARA-II (2X800MW) PACKAGE : EPC PACKAGES CONTRACTOR : CONTRACT NO :										LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL REVISION NO : 00 DATE : 08.06.2022 SUB SECTION: QA-TG(MECH)				
Sr No	Item Description	QP Inspection Category	QP No	QP submission at SCH	Proposed Sub Supplier	Country	SS Approval_Status	SS Detail Sub.SCH	SS Approval SCH	Remark	Package Applicable	Provenness Clause (Refer Note-I)		
2.0 QP INSPECTION CATEGORY : व्यूरी / निरीक्षण की श्रेणी: CAT - I : For those items the Quality Plans are approved by Customer and final acceptance will be on physical inspection witness by Customer इन मदों के लिए गुणवत्ता योजनाओं को एन्टीपीसी द्वारा अनुमोदित किया जाता है और एन्टीपीसी द्वारा अंतिम स्वीकृति भौतिक निरीक्षण के दौरान उपलब्ध गवाह के आधार पर दी जाएगी। 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. इन मदों के लिए गुणवत्ता योजनाओं को एन्टीपीसी द्वारा अनुमोदित किया जाता है। हालाँकि एन्टीपीसी द्वारा कोई भौतिक निरीक्षण नहीं किया जाएगा। एन्टीपीसी द्वारा अंतिम स्वीकृति अनुमोदित प्रदस्तावेजों के आधार पर दी जाएगी। CAT - 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 : Place of manufacturing- Place of main supplier of multi units/works.														

[illegible]

Project/ परियोजना : LARA-II Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:		INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL स्वातिथी प्लान तथा सब-सप्लायर के अनुमोदन सहित मर्चों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)		DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 08.06.22 PAGE/ पृष्ठ :			Applicable Systems	
Item / मद	QP No./ क्र.पं. सं.	QP Sub- Schedule क्र.सूची उप-अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE- 1)	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी		
			ADVANCE VENTILATION PVT LTD	A		up to 40000 CMH		
			SK SYSTEMS PVT LTD	A		up to 50000 CMH		
			ALMONAROD (P) LIMITED	A		Up to 14000 CMH		
			STEEL AUTHORITY OF INDIA LIMITED	A			CW,CT,MUW	
4	PIPES-MS- (BLACK/ GI) AS PER IS:3589 >1000NB			A				
			WELSPUN	A		SAW UPTO 2600 NB		
			WELSPUN	A		SAW UPTO 1300 NB		
			MAN INDUSTRIES	A		SAW UPTO 1400 NB		
			SAMSHI	A		SAW 450 TO 2540 NB		
			MUKAT TANKS & VESSELS	A		SAW 200 TO 1200 NB		
			MUKAT PIPES	A		SAW UPTO 1800 NB		
			LALIT PIPES AND PIPES LTD	A		SAW 350 TO 1400 NB		
			RATNAMANI	A		SAW 600 TO 2600 NB		
			CHATRAL	A		SAW 400 TO 3600 NB		
			KUTCH	A		SAW 450 TO 1600 NB		
			DAMAN	A		SAW 450 TO 1600 NB		
			PSL HOLDINGS LIMITED	A		SAW 450 TO 1600 NB		
			PSL INTERNATIONAL LTD.	A		SAW 450 TO 1600 NB		
			PSL LIMITED	A		SAW 450 TO 1600 NB		
			JCO PIPES	A		SAW UPTO 1600 NB		
			SURYA GLOBAL STEEL TUBE LTD	A		SAW UP TO 2032 OD		
			CAPACITE STRUCURES PVT LTD	A		406.4 MM TO 3874 MM OD		
5	PIPES & FITTINGS-GRP		EPP COMPOSITES PVT LTD	A		UP TO 900MM	WTP,CT	
			GRAPHITE INDIA	A		UP TO 1000MM		
			SHRIRAM SEPL COMPOSITES LTD	A		UP TO 1100MM		
			BALAJI FIBER REINFORCE PVT LIMITED	A		UP TO 650MM		
			MEGHA FIBRE GLASS INDUSTRIES PVT LTD	A		UP TO 900MM		
6	SERVICE VESSEL-CPU & OTHER PR VESSELS >= 10 BAR WORKING PRESSURE		DRIPLEX WATER ENGINEERING INTERNATIONAL PVT LIMITED	A		UPTO 3000MM DIA & THICKNESS UPTO 28 MM	WTP,CPU,CAS,CHP, LHP&GHP,AHP	
			BGR ENERGY SYSTEMS LTD (ENVIRONMENTAL ENGG. DIV.)	A		UPTO 2900 MM DIA & THICKNESS UPTO 28 MM		
			ISHAN EQUIPMENTS PRIVATE LIMITED	A		DIA 2800MM, THICKNESS 25MM DESIGN PRESSURE UP TO 42.5 KSC		
			JASMINO POLYMERTECH PVT LTD	A		UPTO 3200MM DIA & THICKNESS UPTO 30 MM		
			BELCO POLLUTION CONTROL PVT LTD	A				

Project/ परियोजना : LARA-II Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:			INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL स्वालिटी प्लान तथा सब-सप्लायर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)			DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 08.06.22 PAGE/ पृष्ठ :			Applicable Systems		
S. N. क्र.सं.	Item / मद	QP / Insp. Cat. क्यूटी/ निरी. श्रेणी.	QP No./ क्यूटी. सं.	QP Sub. Schedule क्यूटी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE- 1)	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी			
7	PUMPS- HORIZONTAL & VERTICAL CENTRIFUGAL -UP TO 300KW	(UP TO 60 KW CAT-II , ABOVE 60 KW CAT-I)			KIRLOSKAR BROTHERS LTD	A			WTP, CW, CPU, FDPS, CHP, LHP &GHP, AC & VENTILATION,MUW, AHP		
					WILO MATHER & PLATT	A					
					WILO MATHER & PLATT		A				
					SAM TURBO	COIMBATORE	A		FLOW UP TO 1500 CUM/HR AND POWER		
					FLOWMORE LTD	GHAZIABAD	A		RATING UP TO 425 KW		
					BEST AND CROMPTON	CHENNAI	A				
					JYOTI LTD	VADODARA	A				
					WPIL	GHAZIABAD	A				
					KISHORE PUMPS	PUNE	A		UPTO 500M3/HR ONLY RUBBERLINED PUMPS ALSO		
					GRUNDFOS PUMPS INDIA PVT LTD	CHENNAI	A		HORIZONTAL UP TO 30 KW ONLY AND VERTICAL UP TO 45 KW ONLY (FOR		
					SINTECH PRECISION	GHAZIABAD	A		HORIZONTAL UP TO 400 KW MOTOR RATING AND VERTICAL UP TO 30 KW MOTOR RATING		
				KSB	PUNE	A					
				KSB	NASHIK	A					
				FLOWSERVE INDIA CONTROLS PVT LTD	COIMBATORE	A		HOIZONTAL CENTRIFUGAL PUMP UP TO 75 KW ONLY			
				SU MOTOR	MUMBAI	A		HORIZONATL UPTO 500M3/HR ONLY RUBBERLINED PUMPS AND VERTICAL CENTRIFUGAL PUMPS UP TO 100CMH ONLY			
				BHARAT PUMPS AND COMPRESSORS	NAINI	A		FLOW UP TO 2200 M3/HR AND HEAD UP TO 60 MWC	WTP, CW		
8	PUMPS-VT -UP TO 300KW	I			FLOWMORE LTD	A					
					KIRLOSKAR BROTHERS LIMITED	KIRLOSKARWADI	A				
					WPIL LTD	KOLKATA	A				
					WPIL LTD	GHAZIABAD	A				
					JYOTI LTD	VADODARA	A				
					XYLEM WATER SOLUTIONS INDIA PVT LTD	VADODARA	A				
					FLOWSERVE INDIA CONTROLS PVT LTD	COIMBATORE	A		UP TO 1025 KW		
					SINTECH PRECISION	GHAZIABAD	A				
					WILO MATHER & PLATT	PUNE	A				
					ADVANCE VALVE PVT LTD	GR. NOIDA	A		DUAL PLATE CHECK VALVES CI UPTO 1000 NB CLASS 125, DUPLEX SS UP TO 600NB CLASS 600.	WTP, CW, CPU, FDPS, CAS, LP PIPING	
9.A	VALVE-DUAL PLATE CHECK > 600MM OR CLASS > 300 (VALVE- DUAL PLATE CHECK UP TO 600MM & CLASS 300: CAT-II & MAIN CONTRACTOR APPROVED SOURCES)	I			LEADER VALVES	A		UP TO 900MM CLASS 150 , SS 200NB CLASS#300			

S. N. क्र.सं.	Project/ परियोजना : LARA-II Package/ पैकेज: EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:	INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL स्वालिटी प्लान तथा सब -वेडर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)	DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 08.06.22 PAGE/ पृष्ठ :	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE- प्रस्तुतीकरण की सूची	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Applicable Systems
9.B	VALVE-BALL> 100 MM OR CLASS > 800; (VALVE- BALL UP TO 100 MM & CLASS 800-CAT-II & MAIN CONTRACTOR APPROVED SOURCES)	I			R & D MULTIPLE	VALSAD	CI/ CS UP TO 800NB PN 10
					TRILLIUM FLOW	HUBLI	SS BALL VALVES UP TO 500MM AND CLASS #600, CS BALL VALVES UP TO 250 MM AND CLASS# 900, CS/ SS BALL VALVES UP TO 100 MM AND CLASS # 1500.
					MICRO FINISH VALVES PVT. LTD.	HUBLI	400NB CLASS#600 AND UP TO 600NB CLASS#300
					FLOW CHEM INDUSTRIES	KALOL	100NB CLASS#600,200NB CLASS#300, 50 NB CLASS#800
					L&T VALVES LIMITED	COIMBATORE	UPTO 150NB, CLASS #150/300, AND UPTO 50NB, CLASS #800
					PRECISION ENGG CO VALVES PVT LTD	NASIK	FCS UP TO 50NB CLASS 800, CCS UP TO 400NB CLASS 150.
					BELGAUM AQUA VALVE PVT LTD	BELGAON	FCS UP TO 50NB CLASS 800, CCS UP TO 200NB CLASS 150.
					G M ENGINEERING PRIVATE LTD	RAJKOT	UP TO 400 NB AND CLASS #600
9.C	VALVE-BUTTERFLY > 600MM OR CLASS-150 (VALVE-BUTTERFLY UP TO 600MM & CLASS 150::CAT-II & MAIN CONTRACTOR APPROVED SOURCES)				INTERVALVE POONAWALA LTD	PUNE	SGI / CI / D2 1400MM PN10, SGI / CI 1000MM PN16/CS/SS 500MM PN16, SS 400MM CLASS#300, MS FABRICATED UPTO 2800NB, PN6.
					TRILLIUM FLOW	HUBLI	CI/ DI BUTTERFLY VALVE UP TO 1000MM AND PN16 AND UP TO 1800MM AND PN10/CCS UP TO 1050MM CLASS 150 AND UP TO 1800MM AND PN16
					PENTAIR VALVES	HALOL	UP TO 400NB PN-16 ,FABRICATED 800MM CLASS#150.
					FOURES ENGINEERING	BANGALORE	FOR SS UP TO 500 NB PN-10, CI- UP TO 900NB PN-10 UP TO 500NB PN-16, 450MM CLASS#300, MS FABRICATED UPTO 2800NB, PN6.
					KIRLOSKAR BROTHERS LTD	KONDHAPURI	CAST SGI/CI/ MS FABRICATED- UP TO 1200 PN-10, UP TO 350 PN-16 ,2400 MM
							CAST SGI/CI/CS 1400 MM PN16 , SS 300 MM PN16 , 1800MM CLASS 150, MS FABRICATED
					R & D MULTIPLE	VALSAD	900 NB PN40,MS FABRICATED 2800NB, PN6.
					ADVANCE VALVES PVT LTD	GREATER NOIDA	CAST SGI/CI/MS FABRICATED- UP TO 1800 MM PN-10/CLASS # 75, ,1100MM PN25,1400MM CLASS#150, MS FABRICATED METAL SEATED, TRIPLE ECCENTRIC, SS BFV OF SIZE UPTO 100NB, AND PRESSURE RATING UPTO CLASS #300.
					BRAY CONTROLS INDIA PVT. LTD	KANCHIPURAM	UPTO 450 MM AND CLASS#600
					INSTRUMENTATION LTD.	PALAKKAD	UPTO 2200NB CLASS # 75
					HAWA ENGINEERS	AHMEDABAD	CI/ CS & FABRICATED UPTO 1200MM, CLASS #150, SS UPTO 250MM, CLASS#150
					CRANE PROCESS FLOW	SATARA	UP TO 900MM PN10
					L & T VALVES LIMITED DEMBLA VALVES	COIMBATORE THANE	UP TO 900MM CLASS 150 UP TO 2200MM CLASS#75

S. N. क्र.सं.	Project/ परियोजना : LARA-II Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:	INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL स्वालिटी प्लान तथा सब-सप्लायर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)	DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 08.06.22 PAGE/ पृष्ठ :				Applicable Systems				
			Item / मद	QP/ Insp. Cat. क्यूरी/ निरी. श्रेणी.	QP No./ क्यूरी. सं.	QP Sub, Schedule क्यूरी उप. अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE- प्रस्तुतीकरण की सूची	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी
9.D	VALVE-CONVENTIONAL GATE / GLOBE / CHECK > 600NB OR CLASS > 300					LEADER VALVES	JALANDHAR	A		CS GATE 600MM CLASS#600, SS. GLOBE 600MM CLASS#600, CS CHECK 600MM AND CLASS#600 FCS / FSS 50 NB CLASS 800. 400NB CLASS 600 AND 50NB CLASS 800. GATE UP TO 300 NB CLASS 600, GLOBE 250 NB CLASS 400, CHECK 150NB CLASS 600.	WTP, CW,CT,CPU,FDPSCAS, AC& VENTILATION, MUW,CHP, LHP&GHP,LP PIPING,AHP
9.E	VALVE- DIAPHRAGM TYPE		II			HITECH ENGG PVT LTD KSB PUMPS LTD NITON VALVES INDIA PVT LTD L&T VALVES LIMITED TRILLIUM FLOW	AHMDABAD COIMBATORE NAVI MUMBAI / AURANGABAD COIMBATORE HUBLI	A A A A A		50 NB CLASS 800. 300NB CLASS 2500. CS GATE 900 NB CLASS 600, CHECK 300 NB CLASS 600. 650 MM CLASS 600, 50 NB CLASS 800. CONVENTIONAL CCS GATE / GLOBE / CHECK VALVES UP TO 600MM AND CLASS # 1500, CSS GATE/ GLOBE/ CHECK VALVES UP TO 200MM AND CLASS # 600, FCS GATE / GLOBE / CHECK VALVES UP TO 50MM AND CLASS # 2500. UP TO 300NB PN 10 UPTO 250 NB - PN 10, 350MM PNG UPTO 200 NB AND PN 10/CLASS #150	WTP,CPU
9.F	VALVE-PLUG > 100 MM OR CLASS > 800(VALVE- PLUG UP TO 100 MM & CLASS 800-CAT-II & MAIN CONTRACTOR APPROVED SOURCES)		I			TRILLIUM FLOW	HUBLI	A		SOFT SEATED 400MM AND CLASS #150, 300NB CLASS#300 UP TO 600MM AND CLASS#300 METALLIC SEATED 400NB CLASS#150, 300NB CLASS #300, 50NB CLASS #800 130 KW UP TO 235 KW	WTP,CPU,CHP, LHP&GHP, FOH,AHP
10	PUMP -SUBMENSIBLE>= 30KW		I			XOMOX SANMAR FLOWSERVE INDIA CONTROLS KSB KIRLOSKAR BROTHERS LTD AQUA MACHINERY	TRICHY CHENNAI NASHIK KIRLOSARWADI AHMEDABAD	A A A A A			WTP,CT, CPU,CHP, LHP&GHP, FOH,AHP,LP PIPING,FDPSCAS
11	RUBBER EXPANSION JOINT>=1600NB (RUBBER EXPANSION JOINT < 1600NB: CAT-II & MAIN CONTRACTOR APPROVED SOURCES)		I			WPIL CORI ENGINEERS PVT LTD	GHAZIABAD CHENNAI	A A		UPTO 2800 MM	ACW, ECW, CW,CT
12	FAN ASSEMBLY-COOLING TOWER					SRM EXOFLEX PVT LTD PAHARPUR COOLING TOWERS LTD PAHARPUR COOLING TOWERS LTD PAHARPUR COOLING TOWERS LTD M/s MAYA FANS AIR ENGG PVT LTD, AMALGAMATED INDUSTRIAL COMPOSITES PVT LTD	KOLKATA SAHIBABAD BHASA KOLKATA DEWAS NASHIK	A A A A A A		UPTO 2800 MM WITH SOLID FAN BLADES 288" AND 336 " DIA, WITH FOAM CORED FAN BLADES WITH 10METERS AND 10.97 METERS 60" TO 288" FAN DIA 60" TO 288" FAN DIA UP TO 11 METER FAN DIA UP TO 11 METER FAN DIA	CT

Project/ प्रियोजना : LARA-II Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:		INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL इवालिटी प्लान तथा सब -वैडर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)		DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 08.06.22 PAGE/ पृष्ठ :			Applicable Systems			
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूटी/ निरी. श्रेणी.	QP No./ क्यूटी. सं.	QP Sub. Schedule क्यूटी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE- 1)	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	
13	GEAR BOX -COOLING TOWER	I			PAHARPUR COOLING TOWERS LTD	SAHIBABAD	A			CT
					PAHARPUR COOLING TOWERS LTD	KOLKATA	A			
					NEW ALLENBERRY WORKS	KOLKATA	A			
					ELECON ENGINEERING	VALLABH VIDYANAGAR	A			
14	DRIVE SHAFT-CARBON FIBRE-COOLING TOWER	II			PREMIUM ENERGY TRANSMISSION LTD.	FALTA	A			CT
					M/S EUROFLEX TRANSMISSION (INDIA) PVT LTD	HYDERABAD	A			
					PAHARPUR COOLING TOWERS LTD	SAHIBABAD	A			
					M/s AMALGAMATED INDUSTRIAL COMPOSITES PVT LTD	NASHIK	A			
15	DRIVE SHAFT SS-COOLING TOWER	II			NORTH STREET COOLING TOWERS	GHAZIABAD	A			CT
					PAHARPUR COOLING TOWERS LTD	SAHIBABAD	A			
					PAHARPUR COOLING TOWERS LTD	KOLKATA	A			
					NORTH STREET COOLING TOWER	GHAZIABAD	A			
16	PUMP-CW PUMP	I			KIRLOSKAR BROTHERS LIMITED	KIRLOSKARWADI	A		BOTH CV & VT TYPE	CW
					WPIL LTD	KOLKATA	A		BOTH CV & VT TYPE	
					FLOWSERVE INDIA CONTROLS PVT LTD	COIMBATORE	A		CV TYPE ONLY	
					FLOWMORE LTD	GHAZIABAD	A		VT TYPE ONLY	
					XYLEM WATER SOLUTIONS INDIA PVT LTD	VADODARA	A		VT TYPE ONLY	
					JYOTI LTD	VADODARA	A		VT TYPE ONLY.	
					BOSCH REXROTH (INDIA) PVT LTD	SANAND	A		HYDRAULIC POWER PACK AND HYDRAULIC CYLINDER (320 MMM BORE DIA).	CW
17	ELECTRO HYDRAULIC ACTUATOR FOR CW PUMP DISCHARGE BUTTERFLY VALVE		I			HYDAC (INDIA) PVT. LTD	COIMBATORE	A		HYDRAULIC POWER PACK-HYDAC COIMBATORE, HYDRAULIC CYLINDER -HYDAC
18	IMPELLER CASTING - CW PUMP	II			ISGEC	MUZAFAER NAGAR	A		FINISHED CASTING UP TO 4.0 MT APPROX	CW
					THE KOLHAPUR STEEL LTD,	KOLHAPUR	A		FINISHED CASTING UP TO 4.0 MT APPROX	
					WESTERN PRECICAST PVT LTD	SANGLI	A		FINISHED CASTING UP TO 3.5 MT APPROX	
					HINDUSTAN UDYOG LIMITED	NAGPUR	A		FINISHED CASTING UP TO 3.0 MT APPROX	
					HI-MET CORPORATION	S.KOREA	A		FINISHED CASTING UP TO 3.0 MT APPROX	
					MATHER FOUNDARY LTD	UK	A		FINISHED CASTING UP TO 3.6 MT APPROX	
					GORADIA SPECIAL STEELS LTD	KHAPOLI	A			CW
19	SHAFT-FORGING -CW PUMP		II			BHARAT FORGE	PUNE	A		
					CFFP,BHEL	HARIDWAR	A		UP TO DIAMETER 290MM AND LENGTH APPROX. 3000MM, GRADE SS410	
20	THRUST BEARING FOR CW PUMP	I				MICHEL	BANGLORE	A		

Project/ परियोजना : LARA-II Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:		INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL इवालिटी प्लान तथा सब -वेंडर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)		DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 08.06.22 PAGE/ पृष्ठ :		Remarks/ टिप्पणी		Applicable Systems	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. कृपा/ निरी. श्रेणी.	QP No./ कृपा. सं.	QP Sub. schedule कृपा उप अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE- प्रस्तुतीकरण की सूची	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची		
					KMP	A			
21	DELUGE VALVE WITH TRIMS	I			HD FIRE	A			FDPS
					CARRIER	A		FOR PISTON TYPE DELUGE VALVE ONLY	
22	INERT GAS EXTINGUISHING SYSTEM	II			ANSUL	A			FDPS
					KIDDE (GINGEKERR)	A			
					NAFFCO	A			
					MINIMAX GmbH & Co. KG	A			
					TOTAL WALTHER	A			
					NOHMI BOSAI	A			
23	ALARM VALVE WITH TRIMS	II			HD FIRE	A			FDPS
					HD FIRE	A			
24	FOAM SYSTEM(BLADDER TYPE)	I			HD FIRE	A			FDPS
					FIRETECH	A			
25	FIRE TENDER	I			WADIA BODY BUILDERS	A			FDPS
					AAREL INDUSTRIES	A			
					AMBALA COACH	A			
					VIJAY FIRE	A			
26	CENTRIFUGAL FAN (≥ 5KW) MOTOR FROM NTPC ACCEPTED SOURCE				MARATHON ELECTRIC MOTOR(I) LTD	A		UP TO 50000 CMH	AC& VENTILATION, CHP, LHP&GHP ,AHP
					HOWDEN SOLYVENT FLAKT INDIA PVT LTD,	A		UP TO 200000 CMH	
					ALMONAROD (P) LIMITED	A		UP TO 60000 CMH	
					PATEL AIRFLOW	A		UP TO 250000 CMH	
					CB DOCTOR VENTILATOR PVT LTD	A		UP TO 150000 CMH	
		I			WOLTER VENTILATORS INDIA (P) LTD	A		UP TO 200000 CMH	
					C DOCTOR &CO PVT LTD	A		UP TO 250000 CMH	
					SUVIDHA AIR ENGINEERS	A		UP TO 190000 CMH	
					SUBUREAN INDUSTRIAL WORKS PVT. LTD	A		UP TO 100000 CMH	
					KRUGER VENTILATION INDUSTRIES (I) PVT LTD	A		UP TO 90000 CMH	
					SOLYVENT FLAKT	A		UP TO 200000 CMH	
					ADVANCE VENTILATION PVT LTD	A		UP TO 250000 CMH	
					SK SYSTEMS PVT LTD	A		UP TO 250000 CMH	
27					CUMMINS	A		Up to 2000 KVA	DG SET,FDPS
					PERKINS	A		UP to 313 HP	

[illegible]

S. N. क्र.सं.	Project/ परियोजना : LARA-II Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:	INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL स्वालिटी प्लान तथा सब -वेडर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)			DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 08.06.22 PAGE/ पृष्ठ :			Applicable Systems	
		QP No./ क्र.सं.	QP Sub. Schedule क्र.सं. उप-अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE- 1)	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी		
37	ALLOY CAST IRON PIPE, FITTINGS AND LINER	I	QP/ Insp. Cat. क्र.सं./ निरी. श्रेणी.	CRAWLEY & RAY	KOLKATA	A		MRHS, AHP	
				ALLIED FOUNDRIES	BELGAUM	A			
				PARAMOUNT CASTINGS	NAGPUR	A			
				NORTHERN ALLOY	BHAVNAGAR	A			
				MENON METALLIK	KOLHAPUR	A			
				KOLHAPUR STEEL	KOLHAPUR	A			
				AQUA ALLOY	KOLHAPUR	A			
38	DRY ASH UNLOADING CHUTE	I		MARTO PEARL	HYDERABAD	A		AHP	
				R.R.L	HOWRAH	A			
				CONCAST ENGINEERING	BURDWAN, WB	A			
				NATRAJ IRON & CASTINGS	DHANBAD	A			
				ABHIPRIYA BUSINESS	PANT NAGAR	A			
				MELCO	FARIDABAD	A			
				MACAWBER BEEKAY	KESHWANA	A			
39	BAG FILTER / SILO VENT FILTER	II		MINING AND MATERIAL HANDLING EQUIPMENT	KOLKATA	A		AHP,MRHS	
				DCL	HYDERABAD	A			
				FLAKT	KOLKATA	A			
				ORIENT FANS (ACCO)	KOLKATA	A			
				THERMAX	PUNE	A			
				RIECO	PUNE	A			
				MELCO	FARIDABAD	A			
40	REFRIGERANT TYPE DRYER	I		MCNALLY SAYAJI	ASANSOL/KUMARDH UBI	A		Upto 11893 m3/hr Upto 10000 m3/hr Upto 7250 m3/hr	AHP
				MACAWBER BEEKAY	KESHWANA	A			
				TAP ENGINEERING	KANCHEEPURAM	A			
				SUMMITS HYGRONICS	COIMBATORE	A			
				TRIDENT	COIMBATORE	A			
				MELLCON	GREATER NOIDA	A			

Project/ परियोजना : LARA-II Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:		INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL इंक्वालिटी प्लान तथा सब -वेयर के अनुमोदन सहित मॉडों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)		DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 08.06.22 PAGE/ पृष्ठ :		Applicable Systems			
S. N. क्र.सं.	Item / मॉड	QP/ Insp. Cat. क्यूटी/ निरी. श्रेणी.	QP No./ क्यूटी. सं.	QP Sub. Schedule क्यूटी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE- प्रस्तुतीकरण की सूची	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी
					DELAIR	GURGAON	1) A		Upto 7500 m3/hr
					ATLAS COPCO	BELGIUM	A		Upto model FD 1200. ASSEMBLY AND TESTING AT PUNE
41	VACUUM PUMP / MECHANICAL EXHAUSTER [WATER SEAL RING TYPE]	I			KAKATI KARSHAK	HYDERABAD	A		
					VACUNAIR	AHEMDABAD	A		
42	BASALT LINE PIPE & FITTING				DECCAN MECHANICAL & CHEMICAL	BARAMATI	A		
					ENVIRO ABRASION	PUNE	A		CST BASALT LINERS FROM SCHOLTEN GmbH-GERMANY
		I			TURBO ENGINEERS	COIMBATORE	A		CST BASALT LINERS FROM KALENBORN - GERMANY /POLAND OR EUTITT - Czech Republic
					GOENKA CAST ENGINEERING(I) PVT LTD	DURG	A		UP TO 350 NB
					BMW STEEL	ROORKEE	A		UP TO 550 NB
43	SLURRY DUTY KNIFE GATE VALVE				BRAY CONTROLS INDIA PVT LTD, VAAS KNIFE GATE VALVE DIVISION	CHENNAI	A		UPTO PN 10 RATING
					FOURESS ENGINEERING	BANGALORE	A		UPTO PN 10 RATING
		I			ORBINOX	COIMBATORE	A		UPTO PN 16 RATING
					WEIR MINERALS	BANGALORE	A		UPTO 12" PN 10 RATING
44	FLY ASH DUTY KNIFE GATE VALVE				BRAY CONTROLS INDIA PVT LTD, VAAS KNIFE GATE VALVE DIVISION	CHENNAI	A		
					FOURESS ENGINEERING	BANGALORE	A		
		I			ORBINOX	COIMBATORE	A		AHP
					JASH SCHUTTTE	INDORE	A		
45	CAST IRON PIPE				ELECTROSTEEL	CHENNAI	A		UPTO 450 NB
					KESORAM	KOLKATA	A		UPTO 350 NB
		II			IISCO	KULTI	A		AHP
					KAPILANSH DHATU UDYOG	NAGPUR	A		APPROVED UPTO 300 NB.
					KUSHA LAVA	VIJAYWADA	A		FOR NON STD. SIZE
46	ASH SLURRY PUMP	I			SAM INDUSTRIAL PUMPS	COIMBATORE	A		
					WEIR MINERALS	AUSTRALIA	A		MANUFACTURING AT WEIR MINERALS BANGALORE
47	AIR LOCK FEEDER VESSEL / BOTTOM ASH OVERFLOW TANK/MIXING TANK/COARSE ASH TANK/ AIR OIL CONVERTOR TANK, AIR INTAKE VALVE	II			MELCO	FARIDABAD	A		
					MCNALLY SAYAJI	ASANSOL/KUMARDH UBI	A		AIR OIL TANK- ASANSOLE , AIR INTAKE VALVE- KUMARDUBHI
					MACAWBER BEEKAY	KESHWANA	A		
48	BOTTOM ASH HOPPER / BUFFER HOPPER/DUST COLLECTOR	I			MCNALLY SAYAJI	ASANSOL/KUMARDH UBI	A		ONLY FOR BUFFER HOPPER AND DUST COLLECTOR
					MELCO	FARIDABAD	A		AHP
					MACAWBER BEEKAY	KESHWANA	A		
49	CLINKER GRINDER				MELCO	FARIDABAD	A		
					MCNALLY SAYAJI	ASANSOL/KUMARDH UBI	A		
		I			L&T	KANSBAHAL	A		AHP

Project/ परियोजना : LARA-II Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:			INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL स्वाविटी प्लान तथा सब -वेडर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)			DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 08.06.22 PAGE/ पृष्ठ :			Applicable Systems		
S. N. क्र.सं.	Item / मद	QP / Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No./ क्यूपी. सं.	QP Sub. Schedule क्यूपी उप,अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी		
50	FLY ASH HOPPERVALVE/ASH INTAKE VALVE/FLY ASH DIFFUSER / DRIVE ARRANGEMENT FOR CLINKER GRINDER	II			MACAWBER BEEKAY	KESHWANA	A				
					MELCO	FARIDABAD	A				
					MCNALLY SAYAJI	ASANSOL/KUMARDH UBI	A				AHP
					L&T	KANSBAHAL	A				
51	FLUIDIZING PAD / FLUSHING APPARATUS	I			MACAWBER BEEKAY	KESHWANA	A				
					MELCO	FARIDABAD	A				
					MCNALLY SAYAJI	ASANSOL/KUMARDH UBI	A				AHP
					L&T	KANSBAHAL	A				
52	FLY ASH STORAGE SILO/HCSO SILO	I			MACAWBER BEEKAY	KESHWANA	A				
					MCNALLY SAYAJI	ASANSOL/KUMARDH UBI	A				AHP
					MACAWBER BEEKAY	KESHWANA	A				
					MELCO	FARIDABAD	A				
53	FEED SUMP / VACUUM BREAKER	I			MCNALLY SAYAJI	ASANSOL/KUMARDH UBI	A				AHP
					MACAWBER BEEKAY	KESHWANA	A				
					MELCO	FARIDABAD	A				
					MCNALLY SAYAJI	KUMARDHUBI	A				AHP
54	FLY ASH HEADER VALVE/BRANCH HEADER VALVE / AIR INTAKE VALVE /EQUALISING VALVE /PLUG GATE FOR SUMP ISOLATION	I			L&T	KANSBAHAL	A				
					MACAWBER BEEKAY	KESHWANA	A				
					MELCO	FARIDABAD	A				
					MCNALLY SAYAJI	ASANSOL/KUMARDH UBI	A				
55	HYDROMIX DUST CONDITIONER/ROTARY FEEDER	I			MELCO	FARIDABAD	A				
					MCNALLY SAYAJI	ASANSOL/KUMARDH UBI	A				
					MACAWBER BEEKAY	KESHWANA	A				AHP
					L&T	KANSBAHAL	A				
56	JET PUMP / JETTING NOZZLE	I			EXPONENTIAL ENGINEERING	PUNE	A				
					MELCO	FARIDABAD	A			JET PUMP / JETTING NOZZLE	
					MCNALLY SAYAJI	ASANSOL/KUMARDH UBI	A			JET PUMP / JETTING NOZZLE	AHP
					L&T	KANSBAHAL	A			JET PUMP	
57	COLLECTOR TANK / AIR WASHER / WETTING HEAD / SURGE / SETTLING TANK	I			MACAWBER BEEKAY	KESHWANA	A			JET PUMP / JETTING NOZZLE	
					MELCO	FARIDABAD	A				
					MCNALLY SAYAJI	ASANSOL/KUMARDH UBI	A				AHP
					MACAWBER BEEKAY	KESHWANA	A				
58	PLATE VALVE AT DYKE END	I			MELCO	FARIDABAD	A				
					MCNALLY SAYAJI	ASANSOL/KUMARDH UBI	A				AHP
					MACAWBER BEEKAY	KESHWANA	A				
					MACAWBER BEEKAY	KESHWANA	A				

Project/ परियोजना : LARA-II Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:		INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL इवालिटी प्लान तथा सब-वेडर के अनुमोदन सहित मर्च की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)		DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 08.06.22 PAGE/ पृष्ठ :			Applicable Systems			
S. N. क्र.सं.	Item / मर्द	QP / Insp. Cat. क्यूटी/ निरी. श्रेणी.	QP No./ क्यूटी. सं.	QP Sub. Schedule क्यूटी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE- 1)	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	
65	VIBRATING FEEDER	I			GENERAL KINEMATICS	USA	A	UP TO 2000TPH		
					THYSSENKRUPP	PUNE	A		UP TO 1800 TPH TRF shall give extended warranty of 5 years over & above Contractual Warranty	CHP
					TRF	JAMSHEDPUR	A		UP TO 1210 TPH	
					MCNALLY SAYAJI	KUMARDHUBI	A			
					INTERNATIONAL COMBUSTION	NAGPUR	A			
66	TRAVELLING TRIPPER	I			Electro Zavod	Kolkata	A			
					Elektromag loest	Vapi	A			
					BENGAL TOOLS	KOLKATA	A			
					THYSSENKRUPP	PUNE / HYDERABAD	A			
					ELECON	V V NAGAR	A			
					MBE	KUMARDHUBI	A			
					TRF	JAMSHEDPUR	A			
					HMTc	KOLKATA	A			
					L & T - MACNIL	CHENNAI	A			
					L & T	KANSAHAL	A			
67	FABRIC BELTING(FR GRADE)	I			L & T - EWL	KANCHEEPURAM	A			
					PHOENIX CONVEYOR BELT	KOLKATA	A		FABRIC BELT UPTO 2200 MM WIDTH	
					MRF	CHENNAI	A		FABRIC BELT UPTO 1600 MM WIDTH	
					SEMPELTRAN NIRLON	MUMBAI	A		FABRIC BELT UPTO 1600 MM WIDTH	
					HINDUSTAN RUBBER	SILVASA	A		FABRIC BELT UPTO 1600 MM WIDTH	
					NORTHLAND RUBBER	SONEPAT	A		FABRIC BELT UPTO 2200 MM WIDTH.	CHP, LHP /GHP
					SOMI CONVEYOR	JODHPUR	A		FABRIC BELT UPTO 2000 MM WIDTH	
					RAVASCO TRANSMISSION LTD.	VAPI	A		FABRIC BELT UPTO 2200 MM WIDTH	
					ORIENTAL RUBBER	PUNE	A		FABRIC BELT UPTO 2200 MM WIDTH	
					FORECH	CHENNAI	A		FABRIC BELT UPTO 2000 MM WIDTH	
68	IDLERS	I			ELECON	V V NAGAR	A			
					MBE	KUMARDHUBI	A			
					KALI	KUMBAKONAM	A			
					AMPS	JAMSHEDPUR	A			
					A-ADAK	HOWRAH	A			
					BTLEPC	KOLKATA	A			
					V V N MFG	V V NAGAR	A		Upto 150 NB Dia	CHP , LHP /GHP
					THYSSENKRUPP	HYDERABAD / PUNE	A			
					PROMAC	BANGALORE	A			
					L & T - EWL	KANCHEEPURAM	A			
69	PULLEYS	I			ROLLWELL	HINDUPUR	A			
					TRF	JAMSHEDPUR	A			
					ELECON	V V NAGAR	A			
					PROMAC	BANGALORE	A			
					MBE	KUMARDHUBI	A			
					BTLEPC	KOLKATA	A			
					TNS HEAVY	CHENNAI	A			
					KALI	THIRUVIVANAM	A			
					THYSSENKRUPP	HYDERABAD / PUNE	A			
					L & T - EWL	KANCHEEPURAM	A		Upto 800 NB Dia	CHP, LHP /GHP
70	HELICAL GEARBOX	I			V V N MFG	V V NAGAR	A			
					ROLLWELL	HINDUPUR	A			
					TRF	JAMSHEDPUR	A			
					SHANTI GEARS	COIMBATORE	A		Upto size 560	
					ELECON	V V NAGAR	A			
71	PLANETARY GEARBOX	I			SIEMENS (FLENDER)	KHARAGPUR	A			
					PREMIUM TRANSMISSION LTD	PUNE/FALTA	A		Up to size 710 / 450	CHP, LHP /GHP
					SIEMENS (FLENDER)	GERMANY	A			
					NEW ALLENBURY WORKS	KOLKATA	A			
					ELECON	V V NAGAR	A			
		SIEMENS (FLENDER)	GERMANY	A						
		MOVENTAS	GERMANY	A						
		DANA MOTION SYSTEMS ITALIA S.r.l	ITALY	A						
		SEW EURODRIVE GMBH & CO.	GERMANY	A						
		FLUIDOMAT	DEWAS	A						
		PTL	AURANGABAD	A						

[illegible]

	Project/ परियोजना : IARA-II Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:	INDICATIVE LIST of ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL स्वातिटी प्लान तथा सब-वेडर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)			DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 08.06.22				
S. N. क्र.सं.	Item / मद	QP No./ क्र.सं.	QP Sub. Schedule क्र.सं. उप. अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE- प्रस्तीकरण की सूची 1)	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तीकरण की सूची	Remarks/ टिप्पणी	Applicable Systems
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 वेडर एन्टीपीसी 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. एन्टीपीसी द्वारा इन मदों की समीक्षा के लिए विस्तृत व्यूरे की आवश्यकता होगी। सूची में "DR" पत्र में इंगित किया जाना चाहिए।									
QP / INSPECTION CATEGORY: 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 एन्टीपीसी द्वारा अनुमोदित किया जाता है और एन्टीपीसी द्वारा अंतिम स्वीकृति भौतिक निरीक्षण के दौरान उपलब्ध गवाह CAT-II / श्रेणी- II: For these items the Quality Plans approved 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 एन्टीपीसी द्वारा अनुमोदित किया 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 इकाइयां / कार्य: Place of manufacturing/ निर्माण का स्थान Main Supplier of main units/ works/ब्लू- इकाइयां / कार्य के मुख्य सप्लायर का स्थान.									
FORMAT NO./ फॉर्मट सं. OS-01-QA/P-1B/F1-R0									
Engr. Div. / O&I									

		Project/परियोजना: Laxa II (2X800-MW) Package/पैकेज: EPC PACKAGE Supplier/आपूर्तिकर्ता:				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब-सप्लायर अनुमोदन सहित मदी की सूची SUB-SYSTEM उप-प्रणाली: ELECTRICAL				Doc. No./ दस्तावेज सं. REVISION NO : 00 DATE/तिथि : 08.06.2022
--	--	---	--	--	--	--	--	--	--	--

				Project/परियोजना : Lana II (2X300MW) Package/किट : EPC PACKAGE Supplier/आपूर्तिकर्ता:		LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL स्वीकृति योजना तथा सब-सप्लायर सहित मही की सूची SUB-SYSTEM उप-प्रणाली: ELECTRICAL				Doc. No/ दस्तावेज नं.: REVISION NO : 00 DATE/तिथि : 08.06.2022	
Contract No./ अनुबंध नं.:											
S. N. क्र.सं	Item/मद	Q/ Insp. Cat. स्वी/निरी. श्रेणी.	Q/ No./ स्वी. सं.	Q/ Sub. Schedule स्वी. 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	Remarks/टिप्पणी		
5	Auxiliary Oil Filled Transformers	CAT I			BHEL	Jhansi	A		Up to 220 KV Class		
					Indutech Transformers	Chennai	A		Up to 16 MVA, 11 KV Class		
					Kanohar	Meerut	A		Up to 16 MVA, 33 KV Class		
					Kirloskar Electric Company Limited	Mysore	A		Up to 16 MVA, 33 KV Class		
					Schneider	Vadodara	A		Up to 50MVA, 132 KV Class		
					Transformers & Rectifiers Ltd.	Ahmedabad	A		Up to 90 MVA, 132 KV Class		
					Vollump	Savli	A		Up to 3.5 MVA, 33 KV Class		
6	LT Switchgear -Floor mounted Draw out type indoor switchgear Panel (MCC etc.)	CAT I									
					Schneider (formerly L&T)	Mumbai / Coimbatore/ Ahmednagar	A				
					C&S Electric	Noida / Haridwar	A				
					Schneider	Nasik	A		ACB from Schneider, France		
					Siemens	Kalwa	A		Conditions apply		
					Schneider	Vadodara	A				
7	LT Switchgear - Floor mounted Fixed type indoor LT Switchgear Panel (ACDB/DCDB)	CAT I									
					Schneider (formerly L&T)	Mumbai / Coimbatore/ Ahmednagar	A				
					C&S Electric	Noida/ Haridwar	A				
					Schneider	Nasik	A				
					Siemens	Kalwa	A				
					Schneider	Vadodara	A				
8	11KV/3.3KV Switchgear- (MV Switchgear Panel)	CAT I									
					BHEL	Bhopal	A		Upto 33KV		
					Megawin	Salem	A		Upto 33KV		
					Schneider Electric India (formerly L&T)	Ahmednagar	A		Upto 33KV		
					Siemens	Mumbai	A		Upto 33KV		
					ABB	Nasik	A		Upto 33KV		
					Schneider (Salt lake works)	Kolkata	A		Upto 11KV		

एन.टी.पी.सी. NTPC Project/परियोजना : Lara II (2X800MW) Package/पैकेज : EPC PACKAGE Supplier/आपूर्तिकर्ता: Contract No./ अनुबंध सं.:				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL. क्वालिटी प्लान तथा सब -सप्लायर के अनुमोदन सहित मशीन की सूची SUB-SYSTEM उप-प्रणाली: ELECTRICAL					Doc. No./ दस्तावेज सं.: REVISION NO : 00 DATE/ तिथि : 08.06.2022		
S. N. क्र.सं.	Item/ मद	QI/ Insp. Cat. क्यूटी/ निरी. श्रेणी.	QI No./ क्यूटी. सं.	QP Sub. Schedule क्यूटी 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	Remarks/ टिप्पणी		
8.1	Fast Bus Transfer panel along with relay	CATI							conditions apply		
					Aurtech	Parwanoo	A		conditions apply		
					ABB	Vadodara	A				
9	HT Motor				SEL	Delhi	A				
9.1	HT Motors (CW PUMP MOTOR)	CATI									
					WEG	BRAZIL	A		UPTO 3405KW 11KV		
					HYOSUNG	S.KOREA	A		UPTO 2800KW,6.6KV		
9.2	HT MOTORS (BEP Motor)	CATI			BHEL	BHOPAL	A				
					HYOSUNG	SOUTH KOREA	A		UPTO 11KV 13.5 MW		
					BHEL	BHOPAL	A		RQP		
					HYUNDAI	SOUTH KOREA	A		UPTO 11KV 17 MW		
9.3	HT MOTORS (ID Fan Motors)	CATI									
					HYOSUNG	SOUTH KOREA	A		UPTO 11KV 13.5 MW		
					WEG	HOSUR	A		UPTO 11KV 14 MW		
					BHEL	BHOPAL	A		RQP		
					HYUNDAI	SOUTH KOREA	A		UPTO 11KV 17 MW		
					TMEIC	BENGALURU	A		UPTO 11 KV 5000 KW		
9.4	HT MOTOR FOR OTHER EQUIPMENTS	CAT -I									
					HYOSUNG	KOREA	A		UPTO 11KV 13.5 MW		
					WEG	BRAZIL	A		UPTO 11KV 2150 KW		
					WEG	HOSUR	A		UPTO 11KV 14 MW		
					BHEL	BHOPAL	A		RQP		
					HYUNDAI	KOREA	A		UPTO 11KV 17 MW		
					TECO	TAIWAN	A		UPTO 11KV 12 MW		
					TMEIC	JAPAN	A		UPTO 11KV 14 MW		
					CONVERTEAM	FRANCE	A		UPTO 11KV 18 MW ("DOCUMENTS FOR NAME CHANGE TO GE CONVERTEAM SHALL BE SUBMITTED FOR APPROVAL)		
					ABB	VADODARA	A		UPTO 6.6KV 2500 KW 11KV 2000 KW FOR PUMP/ FAN/ COMPRESSOR UPTO 6.6KV 750KW FOR MILL, UPTO 6.6 KV 1300KW FOR CRUSHER WITH SCOOP COUPLING		
					IJLIN	KOREA	A		UPTO 11KV 2900 KW, 6.6KV 2500 KW		
					JYOTI	VADODARA	A		UPTO 6.6 KV 2250 KW EXCEPT CRUSHER & MILL APPLICATION		

		Project/ परिचयनाम : Lms II (2X800MW) Package/ पैकेज : EPC PACKAGE Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब -वेडर के अनुमोदन सहित मती की सूची SUB-SYSTEM उप-प्रणाली: ELECTRICAL				Doc. No./ दस्तावेज सं. REVISION NO : 00 DATE/ तिथि : 08.06.2022
--	--	--	--	--	--	---	--	--	--	---

		Project/ परियोजना : Lara II (2X800MW) Package/ पैकेज : EPC PACKAGE Supplier/ आपूर्तिकर्ता:				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL. क्वालिटी प्लान तथा सब-सप्लायर के अनुमोदन सहित माल की सूची SUB-SYSTEM उप-प्रणाली: ELECTRICAL				Doc. No/ दस्तावेज नं.: REVISION NO : 00 DATE/ तिथि : 08.06.2022
--	--	--	--	--	--	--	--	--	--	---

एन.टी.पी.सी NTPC			Project/ परियोजना : Laxa II (2X800MW) Package/ पैकेज : EPC PACKAGE Supplier/ आपूर्तिकर्ता:			Doc No/ दस्तावेज सं: REVISION NO: 00 DATE/ तिथि : 08.06.2022			LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL तथा सब -सप्लर के अनुमोदन सहित मती की सूची SUB-SYSTEM उप-प्रणाली: ELECTRICAL			
S. N. क्र.सं	Item/ मद	QP/ Insp. Cat. स्कोरी/ निसी. श्रेणी.	QP No./ स्कोरी. सं.	QP Sub. Schedule स्कोरी उप-अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप-आपूर्तिकर्ता	Place/ स्थान	Sub-supplier approval status/ category उप- आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details sub sch/ उप- आपूर्तिकर्ता के विवरण प्रस्तुतीक रण की सूची	Remarks/ टिप्पणी			
13	EHV Cables	CAT I			Suyog Cables	Vadodara	A					
					Thermocables	Hyderabad	A					
					Tirupati Plastomatics	Jajpur	A					
					Torrent Cable Ltd	Nadhad	A					
					Universal Cable Ltd.	Satna	A					
14	DG SET/ ASSEMBLER & TESTING)	CAT I			Ilin Electric	South Korea	A				For 132KV & 220 KV only	
					KEC International	Vadodara	A					Upto 220KV
					KEI Industries	Bhiwadi	A					Upto 132KV , 220KV
					Phelps Dodge	Bangkok	A					For 132 KV only
					LS CABLE & SYSTEM LTD	South Korea	A					Up to 400 KV
					LS CABLE & SYSTEM LTD	BHIWADI	A					Up to 132 KV
					Universal Cable Ltd.	Satna	A					Upto 132KV only
					Kohler	Singapore	A					Up to 1500 KVA ,11KV
					CLLS	Singapore	A					Up to 1250 KVA, 415 V,
14.1	ALTERNATOR	CAT I			Powertec	Silvassa	A				Up to 2000 KVA, 415 V & 1500 KVA, 11 KV	
					Jakson Unit-II	Kathua	A					Up to 11KV, 1500KVA
					Jakson	Kathua	A					Up to 415 V, 2000 KVA
					Sterling Generators Pvt Ltd	Silvassa	A					Up to 415 V 2000 KVA
					Supernova	Rajpur	A					Up to 415 V 2000 KVA
					Kirloskar Electric	Bangalore	A					415 V alternators
					Cummins Generator Technology (Slamford)	U.K	A					415 V & 11 KV alternators
					Leroy Somer	France	A					Up to 11KV alternator 3500 kW
					Marathan	USA	A					Alternators for up to 415 V, 1500 KVA DG SET
14.2	DG Set Control panel / Synchronising panel	CAT I			Cummins Generator Technology (Slamford)	Ahmednagar	A				415 V Alternators up to 1600 KVA	
					Toyo Denki Power System	Bangalore	A					
					L&T	Mumbai / Coimbatore/	A					
					GE	Bangalore	A					
					Siemens	Mumbai	A				11 KV, 1500 KVA	
					C&S Electric	Noida / HARDWAR	A					

एनटीपीसी NTPC										Project/परियोजना : Lara II (2X800MW)		LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL स्थापिती प्लान तथा सब-सप्लायर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: ELECTRICAL		Doc. No/ दस्तावेज सं.: REVISION NO : 00 DATE/ तिथि : 08.06.2022	
										Package/ पैकेज : EPC PACKAGE					
										Supplier/ आपूर्तिकर्ता:					
										Contract No/ अनुबंध सं.:					
S. N. 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-supplier approval status/ उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details sub sch/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/s/ टिप्पणी						
		I			Schneider	Nasik	A								
					Unilex	Gurgaon	A								
					Nitya Electrocontrols	Noida	A								
					Switching Circuits	Kolkata	A								
					Tricolite	Sahibabad / Mansar	A								
					Hindustan Control & equipment Ltd	Kolkata	A		With fabrication & painting at unit II & MP Electrical Narendrapur						
					Makel	Vadodara	A								
					Jakson	Greater Noida	A								
					Vidvut Control	Gaziabad	A								
					Adlec Power	Rohad (Jhajjar)	A								
					Pyrotech	Udaipur	A								
					Anand Power Ltd.	Noida	A								
					Positronics	Vadodara	A								
					Control & Schematics	Hyderabad	A								
				Sterling Generators Pvt Ltd	Silvassa	A									
				Jackson	Kathua	A		11 KV, 1500 KVA							
				Supernova	Rajpur	A									
15	DC Batteries (NI-Cd type BATTERY)	CAT I			HBL Power System	Hyderabad	A		Up to 900 Ah with conditions						
					S&I India	Bangalore	A		84h to 900Ah- KPH type						
							A		10Ah to 1365 Ah- KPM type						
							A		11Ah to 1550Ah - KPL type						

		Project/परियोजना : Lana II (2X900MW) Package/किट : EPC PACKAGE Supplier/आपूर्तिकर्ता:				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL स्वीकृति प्लान तथा सब-सप्लायर के अनुमोदन सहित मही की सूची SUB-SYSTEM उप-प्रणाली: ELECTRICAL				Doc. No./दस्तावेज सं. REVISION NO : 00 DATE/तिथि : 08.06.2022
--	--	---	--	--	--	---	--	--	--	---

		Project/परियोजना : Lana II (2X900MW) Package/किब : EPC PACKAGE Supplier/आपूर्तिकर्ता:				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL स्वीकृति योजना तथा सब-सुप्लायर के अनुमोदन सहित मही की सूची SUB-SYSTEM उप-प्रणाली: ELECTRICAL				Doc. No./दस्तावेज सं: REVISION NO : 00 DATE/तिथि : 08.06.2022
--	--	---	--	--	--	--	--	--	--	---

				Project/परियोजना : Lara II (2x800MW) Package/पैकेज : EPC PACKAGE Supplier/आपूर्तिकर्ता:				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL. क्वालिटी प्लान तथा सब-सप्लायर के अनुमोदन सहित नवी की सूची SUB-SYSTEM उप-प्रणाली: ELECTRICAL				Doc.No/दस्तावेज नं.: REVISION NO : 00 DATE/दिनि : 08.06.2022
--	--	--	--	---	--	--	--	--	--	--	--	--

एनटीपीसी NTPC		Project/परियोजना : Lara II (2X800MW) Package/पैकेज : EPC PACKAGE Supplier/आपूर्तिकर्ता: Contract No./ अनुबंध सं.:				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL स्थापिती प्लान तथा सब-सप्लायर अप्रुवल सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: ELECTRICAL				Doc. No./ दस्तावेज सं.: REVISION NO : 00 DATE/ तिथि : 08.06.2022
--	--	---	--	--	--	---	--	--	--	--

				Project/परियोजना : Lana II (2X800MW) Package/किट : EPC PACKAGE Supplier/आपूर्तिकर्ता:				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL स्वातिदी खान तथा सब-वेडर के अमोदन सहित मदी की सूची SUB-SYSTEM उप-प्रणाली: ELECTRICAL				Doc. No/दस्तावेज नं.: REVISION NO : 00 DATE/तिथि : 08.06.2022
--	--	--	--	---	--	--	--	---	--	--	--	---

				Project/ परियोजना : Lara II (2X800MW) Package/ पैकेज : EPC PACKAGE Supplier/ आपूर्तिकर्ता:				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL. क्वालिटी प्लान तथा सब-सप्लायर के अनुमोदन सहित मंदा की सूची SUB-SYSTEM उप-प्रणाली: ELECTRICAL				Doc. No/ दस्तावेज नं.: REVISION NO : 00 DATE/ तिथि : 08.06.2022
--	--	--	--	---	--	--	--	---	--	--	--	---

				Project/परियोजना : Lara II (2X800MW) Package/पैकेज : EPC PACKAGE Supplier/आपूर्तिकर्ता:				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब-सप्लायर के अनुमोदन सहित मशीन की सूची SUB-SYSTEM उप-प्रणाली: ELECTRICAL				Doc. No./दस्तावेज नं.: REVISION NO : 00 DATE/तिथि : 08.06.2022
--	--	--	--	---	--	--	--	---	--	--	--	--

Project/परियोजना : Lana II (2x900MW) Package/किट : EPC PACKAGE Supplier/आपूर्तिकर्ता: Contract No/ अनुबंध सं.:				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL स्थापिती प्लान तथा सब-सप्लायर के अनुमोदन सहित मशीन की सूची SUB-SYSTEM उप-प्रणाली: ELECTRICAL				Doc. No/ दस्तावेज सं.: REVISION NO : 00 DATE/तिथि : 08.06.2022			
S. N. क्र.सं	Item / मद	QP/ Insp. Cat. स्वी/ निरी. श्रेणी.	QP No./ स्वी. सं.	QP Sub. Schedule स्वी/ उप अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-supplier approval status/ स्वी/ उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details sub sch/ स्वी/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीक रूप की सूची	Remarks/ टिप्पणी		
					SAHNEY KIRKWOOD PVT. LTD.	NASIK	A				
					ABB SWITZERLAND LTD.	SWITZERLAND	A				
					VON ROLL ISOLA	FRANCE	A				
58.1	WEDGES FOR ROTOR (DAMPER +SLOT)	CAT II									
					KM EUROPA	GERMANY	A				
					BOASHIDA SWISS METAL	SWITZERLAND	A				
					LUVATA (OUTO KUMPU POR)	FINLAND	A				
					BUNT METAL	AUSTRIA	A				
59	RETAINING RING	CAT II									
					SAARSCHMIDE	GERMANY	A				
					ENERGIETECHNIK	GERMANY	A				
					JSW	JAPAN	A				
59.1	RETAINING RING MACHINING	CAT I									
					BHEL-HEEP	HARIDWAR	A				
60	FAN BLADE FOR COMPRESSOR M/C	CAT I									
					BHEL-HEEP	HARIDWAR	A				
60.1	FAN BLADE FOR COMPRESSOR (RAW MATERIAL) - HW10786 -Y20Cr 13	CAT I									
					Refer Steam Turbine List for same grade material for blade bars		A				
60.2	COMPRESSOR HUB M/C & ASSEMBLY	CAT I									
					BHEL-HEEP	HARIDWAR	A				
61	BEARING SHELL FORGING (GENERATOR)	CAT II									
					BHEL-CFFP	HARIDWAR	A				
62	BEARING COMPLETE (EXCITER)	CAT I									
					RENK AG	GERMANY	A				
					ZOLLERN	BRAZIL	A				
					EURO BEARINGS	ITALY	A				
63	END SHIELD FABRICATION & MACHINING	CAT I									
					BHEL-HEEP	HARIDWAR	A				
64	TERMINAL BOX FABRICATION	CAT I									
					BHEL-HEEP	HARIDWAR	A				
64.1	TERMINAL BOX MACHING	CAT I									
					BHEL-HEEP	HARIDWAR	A				

NTPC Project/परियोजना : Laxa II (2X800MW) Package/पैकेज : EPC PACKAGE Supplier/आपूर्तिकर्ता: Contract No./ अनुबंध सं.:				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब-सप्लायर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: ELECTRICAL				Doc. No./ दस्तावेज सं.: REVISION NO : 00 DATE/ तिथि : 08.06.2022		
S. N. क्र.सं	Item/ मद	QP/ Insp. Cat. स्वी/ निरी. श्रेणी.	QP No./ स्वी. सं.	QP Sub. Schedule स्वी. उप-अनुसूचि	Proposed sub-supplier/ 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 प्रस्तुत की गयी सूची	Remarks/ टिप्पणी	
65	HYDROGEN COOLER MAIN ITEMS	CAT I				BHEL-HEEP	A			
65.1	TUBES FOR COOLERS (BRASS/ COPPER TUBES)	CAT II				MULTIMETALS	A			
						Mehra Tubes Pvt Ltd	A			
						METAL ALLOYS	A			
65.2	FINNING OF COOLER TUBES	CAT I				LAXMI ENGINEERING INDUSTRIES	A			
						LORD VISHWAKARMA HEAT EXCHANGE	A			
						FITWELL CORPORATION	A			
65.3	HYDROGEN COOLER	CAT I				BHEL-HEEP	A			
66	PW COOLER & SEAL OIL COOLER	CAT I				BHEL-HEEP	A			
						ALFA LAVAL (INDIA) LIMITED	A			
						TRANSTER INDIA PVT. LIMITED	A			
67	SEAL OIL PUMP & PRIMARY WATER PUMP	CAT I								
						TUSHACO PUMPS	A			
						KSB INDIA	A			
						SULZER INDIA	A			
68	PW SYSTEM/SKID	CAT I								
69	SEAL OIL SYSTEM/SKID	CAT I								
						BHEL-HEEP	A			
						BHEL-HEEP	A			

			Project/ परियोजना : Lana II (2X800MW) Package/ पैकेज : EPC PACKAGE Supplier/ आपूर्तिकर्ता:			LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL तथा सब-सप्लायर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप प्रणाली: ELECTRICAL			Doc. No/ दस्तावेज नं.: REVISION NO : 00 DATE/ तिथि : 08.06.2022
--	--	--	--	--	--	--	--	--	---

		Project/ परियोजना : Lara II (2X800MW) Package/ पैकेज : EPC PACKAGE Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL. क्वालिटी प्लान तथा सब-सप्लायर के अनुमोदन सहित नवी की सूची SUB-SYSTEM उप-प्रणाली: ELECTRICAL				Doc. No./ दस्तावेज सं.: REVISION NO : 00 DATE/ तिथि : 08.06.2022
--	--	---	--	--	--	--	--	--	--	--

		Project/ परियोजना : Lara II (2X800MW) Package/ पैकेज : EPC PACKAGE Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL. क्वालिटी प्लान तथा सब-सप्लायर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: ELECTRICAL				Doc. No./ दस्तावेज सं. REVISION NO : 00 DATE/ तिथि : 08.06.2022
--	--	--	--	--	--	---	--	--	--	---

				Project/ परियोजना : Lara II (2X800MW) Package/ पैकेज : EPC PACKAGE Supplier/ आपूर्तिकर्ता: Contract No/ अनुबंध सं:				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब-सप्लायर के अनुमोदन सहित मटे की सूची SUB-SYSTEM उप-प्रणाली: ELECTRICAL				Doc. No/ दस्तावेज सं: REVISION NO : 00 DATE/ तिथि : 08.06.2022
--	--	--	--	---	--	--	--	--	--	--	--	--

			Project/ परियोजना : Lara II (2X800MW) Package/ पैकेज : EPC PACKAGE Supplier/ आपूर्तिकर्ता:			LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL तथा सब-सप्लायर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: ELECTRICAL				Doc. No/ दस्तावेज सं. REVISION NO : 00 DATE/ तिथि : 08.06.2022
--	--	--	--	--	--	---	--	--	--	--

एन.टी.पी.सी. NTPC Project/ परियोजना : Lara II (2X800MW) Package/ पैकेज : EPC PACKAGE Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:										LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL खालिदी खान तथा सब -वैडर के अनुमोदन सहित मती की सूची SUB-SYSTEM उप-प्रणाली: ELECTRICAL										Doc. No/ दस्तावेज सं.:		
S. N. क्र.सं	Item/ मद	QI/ Insp. Cat. कृपया/ निरी. श्रेणी.	QI No./ कृपया. सं.	QP Sub. Schedule कृपया उप. अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status/ category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details sub sch/ उप आपूर्तिकर्ता के विवरण प्रस्तुतिक रण की सूची	Remarks/ टिप्पणी	Doc. No/ दस्तावेज सं.:												
108	TUBES FOR CONNECTING BUS BAR (Phase ring tubes)	CAT II			ORIENTAL COPPER ALCOBEX SH Copper IPCL HITACHI CABLE	THAILAND JODHPUR Japan BHAVNAGAR JAPAN	A A A A A															
109	END SHIELD FABRICATION & MACHINING (Generator Bearing Bracket)	CAT I																				
110	BEARING SHELL(GEN& SLIP RING)- FORGING (part of generator Bearing)	CAT II			MITSUBISHI ELECTRIC SHAPE MANJUNATH	JAPAN HARDWAR BANGLORE	A A A		For End Shield Fabrication Only													
111	CENTERING RING FORGING (END PLATE)	CAT I			MITSUBISHI ELECTRIC OMEGA THERMIT DUM DUM EURO BEARING	JAPAN BHOPAL KOLKATA ITALY	A A A A															
		I			GOODLUCK	GHAZIABAD	A															
		II			NISHIMAKI IRON WORKS BAY FORGE	JAPAN CHENNAI	A A															
112	BEARING SHELL (GEN & SLIP RING) M/C (Generator bearing)	CAT III			DSE DYM MITSUBISHI ELECTRIC OMEGA THERMIT DUM DUM EURO BEARING WAUKESHA BEARING	KOREA KOREA JAPAN BHOPAL KOLKATA ITALY USA	A A A A A A A															
113	INTERMEDIATE RING FORGING (Space ring forging)	CAT I			Good luck (for forging)	FARIDABAD	A															

				Project/परियोजना : Laxa II (2X900MW) Package/किट : EPC PACKAGE Supplier/आपूर्तिकर्ता:				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL स्वीकृति योजना तथा सब-सप्लायर के अनुमोदन सहित मशीन की सूची SUB-SYSTEM उप-प्रणाली: ELECTRICAL				Doc. No/दस्तावेज सं.: REVISION NO : 00 DATE/तिथि : 08.06.2022
--	--	--	--	---	--	--	--	--	--	--	--	---