

## **BHARAT HEAVY ELECTRICALS LIMITED**

(A Govt. of India Undertaking)

Project Engineering & Systems Division

Ramachandrapuram, Hyderabad-502032

**JOB: PROVIDING SERVICES OF 300 MT or higher capacity CRAWLER MOUNTED LATTICE BOOM CRANE WITH HEAVY LIFT ATTACHMENT (HLA) ON MONTHLY HIRING BASIS AT 525TPD STANDBY SULFUR RECOVERY UNIT (SRU), IOCL PARADIP, ODISHA**

### **APPENDIX-A TECHNICAL SPECIFICATIONS**

|                                          |  |
|------------------------------------------|--|
| <b>Name Of the Bidder</b>                |  |
| <b>Total Nos of Offered Crane Models</b> |  |

#### **Instruction to Bidder:-**

This workbook has separate sheets for offering cranes. Bidder may one or more cranes.

Technical specification of the offered cranes(s) shall be filled by the bidders in the subsequent worksheets of this file

| <b>BHARAT HEAVY ELECTRICALS LIMITED</b>                                                                                                                                                                                    |                                                                                                                                                                                                                                                       |                    |                            |                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------|-------------------------------|
| (A Govt. of India Undertaking)                                                                                                                                                                                             |                                                                                                                                                                                                                                                       |                    |                            |                               |
| Project Engineering & Systems Division                                                                                                                                                                                     |                                                                                                                                                                                                                                                       |                    |                            |                               |
| Ramachandrapuram, Hyderabad-502032                                                                                                                                                                                         |                                                                                                                                                                                                                                                       |                    |                            |                               |
| <b>JOB: PROVIDING SERVICES OF 300 MT or higher capacity CRAWLER MOUNTED LATTICE BOOM CRANE WITH HEAVY LIFT ATTACHMENT (HLA) ON MONTHLY HIRING BASIS AT 525TPD STANDBY SULFUR RECOVERY UNIT (SRU), IOCL PARADIP, ODISHA</b> |                                                                                                                                                                                                                                                       |                    |                            |                               |
| <b>APPENDIX-A TECHNICAL SPECIFICATIONS</b>                                                                                                                                                                                 |                                                                                                                                                                                                                                                       |                    |                            |                               |
| <b>Name of the bidder</b>                                                                                                                                                                                                  |                                                                                                                                                                                                                                                       |                    |                            |                               |
| <b>(Option-01)</b>                                                                                                                                                                                                         |                                                                                                                                                                                                                                                       |                    |                            |                               |
| <b>TECHNICAL SPECIFICATION DETAILS OF OFFERED LATTICE BOOM CRANE</b>                                                                                                                                                       |                                                                                                                                                                                                                                                       |                    |                            |                               |
| (TO BE FILLED BY BIDDER SEPARATELY FOR EACH OFFERED MODEL) TECHNICAL DETAILS OF OFFERED 300 MT OR HIGHER CAPACITY CRAWLER MOUNTED LATTICE BOOM CRANE.                                                                      |                                                                                                                                                                                                                                                       |                    |                            |                               |
| SI No                                                                                                                                                                                                                      | DESCRIPTION                                                                                                                                                                                                                                           | BHEL REQUIREMENT   | AS BEING OFFERED BY BIDDER | SUPPORTING DOCUMENT REFERENCE |
| 1                                                                                                                                                                                                                          | Name of crane manufacturer                                                                                                                                                                                                                            | Required           |                            |                               |
| 2                                                                                                                                                                                                                          | Crane model no.                                                                                                                                                                                                                                       | Required           |                            |                               |
| 3                                                                                                                                                                                                                          | Year and Month of Manufacturing                                                                                                                                                                                                                       | Required           |                            |                               |
| 4                                                                                                                                                                                                                          | Rated capacity of crane in MT as per load chart (Basic boom at minimum operating radius).                                                                                                                                                             | 300MT or above     |                            |                               |
| 5                                                                                                                                                                                                                          | Boom construction                                                                                                                                                                                                                                     | LATTICE BOOM       |                            |                               |
| 6                                                                                                                                                                                                                          | Total Boom Length (Main Boom+ Fly Jib)                                                                                                                                                                                                                | 80 Meter Main Boom |                            |                               |
| 7                                                                                                                                                                                                                          | Jib Type                                                                                                                                                                                                                                              | NA                 |                            |                               |
| 8                                                                                                                                                                                                                          | Jib Angle                                                                                                                                                                                                                                             | NA                 |                            |                               |
| 9                                                                                                                                                                                                                          | Jib Length                                                                                                                                                                                                                                            | NA                 |                            |                               |
| 10                                                                                                                                                                                                                         | Distance from center point of rotation to outer portion of crane (rear)                                                                                                                                                                               | NA                 |                            |                               |
| 11                                                                                                                                                                                                                         | Heavy Lift Attachment (HLA)                                                                                                                                                                                                                           | Required           |                            |                               |
| 12                                                                                                                                                                                                                         | LIFTING CAPACITY OF HOOK BLOCKS IN MT                                                                                                                                                                                                                 |                    |                            |                               |
| 12.a                                                                                                                                                                                                                       | 1 no. of 50-70 MT Lifting capacity                                                                                                                                                                                                                    | Yes                |                            |                               |
| 12.b                                                                                                                                                                                                                       | 1 no. of 20-30 MT Lifting capacity                                                                                                                                                                                                                    | Yes                |                            |                               |
| 12.c                                                                                                                                                                                                                       | 1 no. of ball hook/single line hook block of 5-10 MT Lifting capacity                                                                                                                                                                                 | Yes                |                            |                               |
| 12.d                                                                                                                                                                                                                       | 1 no. of 200-250MT Lifting Capacity                                                                                                                                                                                                                   | Yes                |                            |                               |
| 13                                                                                                                                                                                                                         | Safety Devices                                                                                                                                                                                                                                        | Required           |                            |                               |
| 13.a                                                                                                                                                                                                                       | Cut off devices when exceeding excessive load moment                                                                                                                                                                                                  | Required           |                            |                               |
| 13.b                                                                                                                                                                                                                       | Main Hoist, Jib Hoist & Boom Hoist Limit switch                                                                                                                                                                                                       | Required           |                            |                               |
| 13.c                                                                                                                                                                                                                       | Safety valve against pipe and hose rupture in case of hydraulic crane                                                                                                                                                                                 | Required           |                            |                               |
| 13.d                                                                                                                                                                                                                       | Load Moment indicator (LMI)                                                                                                                                                                                                                           | Required           |                            |                               |
| 13.e                                                                                                                                                                                                                       | Weather Monitoring Device (Anemometer)                                                                                                                                                                                                                | Required           |                            |                               |
| 14                                                                                                                                                                                                                         | Offered crane model is in possession of the bidder and is available for immediate deployment (if work is awarded to the bidder). (Yes/No)                                                                                                             | Yes                |                            |                               |
| 15                                                                                                                                                                                                                         | Manufacturing year for crane model offered will not be more than 14 years as on the latest date of offer submission. (Submit Documentary evidence for the same). The same document shall also be furnished at site at the time of deployment (Yes/No) | Yes                |                            |                               |
| 16                                                                                                                                                                                                                         | Crane Load Chart Enclosed                                                                                                                                                                                                                             | Required           |                            |                               |
| 17                                                                                                                                                                                                                         | Crane Product Catalogue Enclosed                                                                                                                                                                                                                      | Required           |                            |                               |
| 18                                                                                                                                                                                                                         | Copy of latest test certificate Enclosed                                                                                                                                                                                                              | Yes                |                            |                               |
| 19                                                                                                                                                                                                                         | Weather Monitoring Device (Anemometer)                                                                                                                                                                                                                | Yes                |                            |                               |
| Note                                                                                                                                                                                                                       | 1. Bidder are required to fill up the details sl. No. 1 to 19                                                                                                                                                                                         |                    |                            |                               |
|                                                                                                                                                                                                                            | 2. Bidder to furnish documentary evidence for all the details filed up. Bidder to note that their respective models shall be considered by BHEL only if all the minimum requirements are fulfilled.                                                   |                    |                            |                               |
|                                                                                                                                                                                                                            | 3. Use additional sheet of this annexure sheet if required.                                                                                                                                                                                           |                    |                            |                               |