



## Pre bid Queries & Clarifications dtd. 29.01.2022

Name of the Work: Composite Mechanical, Piping, Equipment & Steel Structure works" FOR IOCL PARADIP-STANDBY SRU (525TPD) TRAIN PROJECT.

Tender Reference No.: Tender ID:2022\_BHEL\_7318\_1, and tender ref no. T0AVX00003\_NIT-62622 in BHEL NIC portal <https://eprocurebhel.co.in> and NIT no.62622 in [www.bhel.com](http://www.bhel.com)

Queries raised by the Bidder: M/s Kamlesh Kumar Singh Engineers Pvt. Ltd.

Query Reference: Dtd. 27.01.2022

| Sl No. | Tender Document | Description  | Bidders Query  | BHEL's Clarification   |
|--------|-----------------|--|--|--|
| 1      | Vol 1A TCC      | <ul style="list-style-type: none"><li>Chapter IV-A</li><li>1.0 LIST OF CRANES</li><li>FREE OF HIRING CHARGE</li><li>TO BE PROVIDED BY BHEL</li></ul> | <p>We have not considered shifting/transporting of crane more than 75 ton capacity from BHEL store, however it is considered that all cranes sizing above 75 ton being supplied as free issue by BHEL should be delivered at location required for job. Only assisting of crane assembly at usable location is considered in our offer.</p> <p>Further as per the details listed under above items we are not in a position to envisage the requirement for movement of cranes being provided by BHEL as free of charge and the same needs to be indicated categorically in order to include in our offer.</p> | <p>Bidder's understanding, about the cranes of capacity more than 75MT, provided by BHEL is correct. BHEL will deliver the crane to the first equipment erection location within the project site, as requested by the erection contractor. However, for crane's movement inside the site premises, for erection of various other equipments, to meet the project requirement, BHEL/BHEL's crane agency shall provide driver, low bed trailer/trailer, if required for shifting of car body and cabin of crane and carry out dismantling, movement to next location and re-assembly. Erection contractor is required to provide all necessary rigging assistance required for shifting and assembly.</p> |
| 2      |                 | Chapter V<br>Time Schedule and mobilization  | <p>We request to consider minimum time of 30 days after receipt of Fax/Email to set up site establishment and initial mobilization to commence the erection work. Please confirm.</p>  | <p>Bidder may please refer clause no. 5.1, 5.2 &amp; 5.6. Clause no. 5.1 deals with initial mobilization, clause no. 5.2 deals with further mobilization as per requirement &amp; clause no. 5.6 deals with commencement of contract period, which shall be mutually agreed date between bidder and the BHEL Engineer. Please follow the Tender specification.</p>   |



## Pre bid Queries & Clarifications dtd. 29.01.2022

|   |  |                                  |   |  |
|---|--|----------------------------------|---|--|
| 3 |  | Chapter II of TCC: Scope of Work | <p>1. As explained under scope of work all pipes, fitting and other materials will be delivered duly sized, edged, finish surface with primer application to site. Hence we have not considered these activities in our offered price. Only supply and application of intermediate and finish paint is included in our offer. Please confirm it is inline.</p> <p>2. Please provide us list of items where thermal insulation is to be carried out with size wise running meter of pipes and Sq.M of equipment.</p> | <p>1. Please refer clause 1.1.2 , Chapter II of TCC for details.</p> <p>2. Detailed BOQ for insulation works attached as Annexure-I.</p> |
|---|--|----------------------------------|---|--|

**Annexure-1**  
**BOQ Details of Insulation Work**

| NO | ITEM DESCRIPTION  | UOM  | QUANTITY |
|----|---|------|----------|
| A  | INSULATION MATERIAL:<br>LRB mattress conforming to IS-8183 with<br>one side GI W/netting 3/4"x22G |      |          |
| 2  | 25mm thick Mattress.  | Sq.m | 2784     |
| 3  | 30mm thick Mattress.  | Sq.m | 2666.4   |
| 4  | 35mm thick Mattress.  | Sq.m | 64.8     |
| 5  | 40mm thick Mattress.  | Sq.m | 3912     |
| 6  | 45mm thick Mattress.  | Sq.m | 306      |
| 7  | 50mm thick Mattress.  | Sq.m | 5491.2   |
| 8  | 55mm thick Mattress.  | Sq.m | 0        |
| 9  | 60mm thick Mattress.  | Sq.m | 229.2    |
| 10 | 65mm thick Mattress.  | Sq.m | 32.4     |
| 11 | 70mm thick Mattress.  | Sq.m | 1456.8   |
| 12 | 75mm thick Mattress.  | Sq.m | 798      |
| B  | CLADDING  |      | 0        |
| 1  | 22SWG Aluminium sheet - Plain (0.71 mm)   | Kg   | 41665.2  |
| 2  | 18SWG Aluminium sheet - Plain (1.219mm)   | Kg   | 11384.4  |
| C  | ANCILLARIES   |      | 0        |
| 1  | 22SWG GI Wire   | Kgs  | 682.8    |
| 2  | 1/2"x24SWG SS Bands - Insulation  | Kgs  | 4096.8   |
| 3  | 1/2"x24SWG SS Bands - Cladding  | Kgs  | 3036     |
| 4  | MS Flat 25 x 3 mm   | Kgs  | 8647.2   |
| 5  | MS Rivets   | Kgs  | 759.6    |
| 6  | MS Machine bolt with nut, 6mm dia, 20mm long  | Nos  | 19192.8  |
| 7  | Ceramic Mill Board - 3 mm thk   | Kgs  | 118.8    |
| 8  | Self Tapping Screws -Stainless Steel  | Nos  | 265610.4 |
| 9  | Ceramic Rope - 1/2"   | m    | 1500     |
| 10 | Ceramic Rope - 3/4"   | m    | 0        |
| 11 | Bituminous Emulsion Mastic  | Kgs  | 2048.4   |
| 12 | Aluminium Paint   | Ltrs | 0        |
| 13 | Glass Cloth Open Weave 7mil 10x10 mesh  | Sq.m | 698.4    |
| 14 | Black Bituminous Paint  | Ltrs | 2838     |
| 15 | Red Oxide Primer  | Ltrs | 319.2    |
| 16 | Quick Release toggles   | Nos  | 0        |
| 17 | Elastomeric Sealing compound  | Kgs  | 547.2    |
| 18 | Securing Seals  | Nos  | 57576    |
| 19 | "S" Clips   | Nos  | 11515.2  |
| 20 | AS (P11 Equv) Flat 30 x 6 mm  | Kgs  | 1302     |
| 21 | CS Flat 30 x 6 mm   | Kgs  | 1302     |

**Annexure-1**  
**BOQ Details of Insulation Work**