



ISO 9001, ISO 14001,  
OHSAS 18001 & SA 8000  
certified company  
SubContract Deptt.

**Bharat Heavy Electricals Limited**  
(A Govt. Of India Undertaking)  
**Power Sector – Northern Region,**  
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## **CORRIGENDUM – 02 Dtd 6-8-15**

**Sub:-Tender for the work of "COLLECTION OF MATERIALS FROM BHEL/CLIENT'S STORES/STORAGE YARD, TRANSPORTATION TO SITE, ERECTION, TESTING, COMMISSIONING AND HANDING OVER OF POWER CYCLE PIPING, ITS INSULATION AND FINAL PAINTING OF PACKAGE-A (UNIT NO. 1 & AUX. BOILER) & PACKAGE-B (UNIT NO.2 ) INCLUDING SUPPLY OF PAINTS AT 2X800 MW, GADARWARA STPS OF NTPC, GADARWARA MP."**

**TENDER NO. BHEL/NR/SCT/GADARWARA/PIPING/PACKAGE-A&B/1002**

**BHEL WEBSITE REF: NIT 23215**

The Corrigendum contains following amendment in the specifications and shall be a part of the above tender. This corrigendum is to be submitted, duly signed and stamped, along with the technical bid (Part –I).

- 1.0** The corrigendum contains Annexure-I reg. Techno-Commercial clarification in the specification and shall form a part of the above tender (attached as a separate file).
- 2.0** The due date of submission is hereby extended from 6.08.2015 (15:00) to 17.08.2015 (15:00) Indian Standard Time. Bids shall now be opened on 17.08.2015 at 15:30 Hrs (Indian Standard Time) at BHEL PSNR Office, Noida, Uttar Pradesh, India.
- 3.0 All other terms and conditions against this NIT shall remain unchanged.**

**Sr.DGM/SCT**

Clause No.	Existing Clause	Modified Clause
6.10.1 of TCC Part-II	<p><b>Wrapping &amp; Coating</b> Contractor has to supply wrapping and coating material for complete ACW piping below ground of this tender scope. The application of wrapping and coating on ACW pipelines below ground is also under this scope. The length for wrapping and coating of ACW pipe Dia 800 NB (approx.) is 110 Meters approximately.</p> <p>Further contractor has to follow drgs./ documents/ applicable specifications, standards and codes</p>	<p>Contractor has to supply wrapping and coating material for complete ACW piping below ground of this tender scope. The application of wrapping and coating on ACW pipelines below ground is also under this scope. The length for wrapping and coating of ACW pipe Dia 800 NB (approx.) is 110 Meters approximately. <b><i>The rate of wrapping &amp; coating (Supply as well as application) for ACW piping is within the quoted rates of erection for respective piping as per rate schedule. No separate payment shall be made for this work.</i></b></p> <p>Further contractor has to follow drgs./ documents/ applicable specifications, standards and codes. <i>The specification of Wrapping/coating are as below:</i></p> <ul style="list-style-type: none"> <li>(a) Buried piping shall be coated and wrapped, as per specification, after completion of welded and /or flanged connections, and after completion and approval of Hydro testing. Materials to be used for coating and wrapping of underground pipelines are: <ul style="list-style-type: none"> <li>1. Coating primer (coal tar primer)</li> <li>2. Coating enamel (coal tar enamel)</li> <li>3. Wrapping materials</li> </ul> </li> <li>(b) All primer/coating/wrapping materials and methods of application shall conform to IS:10221 except asphalt /bitumen material. Materials (primer/coating/wrapping) as per AWWA-C-203 are also acceptable.</li> <li>(c) Protective coating shall consist of coal tar primer, coal tar enamel coating, glass fiber, tissues inner wrap followed by glass fiber or coal tar impregnated kraft outer wrap of finish coat.</li> <li>(d) Number of coats and wraps, minimum thickness for each layer of application shall be as per IS-10221. Number of coats and wraps shall be decided based on soil corrosivity/ resistivity as indicated in IS:10221. Soil data for this purpose shall be made available.</li> </ul>

		<p>(e) Total thickness of completed coating shall not be less than 4.0 mm.</p> <p>(f) Alternatively, the anti-corrosive protection can consist of anti-corrosive protection coal-tar tapes. Material and application of tapes shall conform to IS 15337 or equivalent. These tapes shall be applied hot over the cold coal tar primer preferably in steps of 2mm thickness so as to cover the spiral edges of the first tape by the application of second tape. The total thickness of the finished protective coating shall be 4.0 mm minimum.</p> <p>Note:</p> <ol style="list-style-type: none"> <li>1. The Bidder's scope also includes Excavation, preparation of bed, backfilling with compacting of soil and removal of extra earth to designated places in case of pipes to be buried.</li> <li>2. The procedure for Wrapping and Coating has to be approved by BHEL/Customer</li> </ol>
2.1.2.2.2 of TCC Part-I	Paints, primers etc to be procured from NTPC/BHEL approved suppliers.	<p>Paints, primers etc to be procured from NTPC/BHEL approved suppliers. The details of these vendors are below:</p> <ol style="list-style-type: none"> <li>(a) Asian Paints (I) Ltd.</li> <li>(b) Berger Paints India Ltd</li> <li>(c) CDC carboline (I) Ltd.</li> <li>(d) Grand Polycoat</li> <li>(e) Bombay Paints (Grauer &amp; Weil (India) Limited (formerly known as Bombay Paints Limited)</li> <li>(f) Jotun Paints</li> <li>(g) Jenson &amp; Nicholson (I) Ltd</li> <li>(h) Shalimar Paints Ltd.</li> <li>(i) Addison Paints Ltd</li> <li>(j) Goodlass Nerolac</li> <li>(k) Hemple Paints (Singapore)</li> <li>(l) Akzonobel coatings</li> </ol>

Clause No.	Existing Clause	Modified Clause										
5.3 of TCC Part-I	<p><b>LIST OF T&amp;P and MMD being provided by BHEL for use of contractor free of hire charges on sharing basis.</b></p> <table border="1" data-bbox="398 316 1093 571"> <thead> <tr> <th data-bbox="398 316 501 427">Sl. No.</th> <th data-bbox="501 316 674 427">Description &amp; Capacity of T &amp; P</th> <th data-bbox="674 316 819 427">Package-A Qty</th> <th data-bbox="819 316 965 427">Package-B Qty</th> <th data-bbox="965 316 1093 427">Remark</th> </tr> </thead> <tbody> <tr> <td data-bbox="398 427 501 571">5.3</td> <td data-bbox="501 427 674 571">EOT Crane at TG Hall w/o operator</td> <td data-bbox="674 427 819 571">2 Nos.</td> <td data-bbox="819 427 965 571">2 Nos.</td> <td data-bbox="965 427 1093 571">On sharing basis</td> </tr> </tbody> </table>	Sl. No.	Description & Capacity of T & P	Package-A Qty	Package-B Qty	Remark	5.3	EOT Crane at TG Hall w/o operator	2 Nos.	2 Nos.	On sharing basis	<p><b>Item SI No. 5.3 of TCC Part-I stands deleted</b></p>
Sl. No.	Description & Capacity of T & P	Package-A Qty	Package-B Qty	Remark								
5.3	EOT Crane at TG Hall w/o operator	2 Nos.	2 Nos.	On sharing basis								
5.8.6 of TCC Part-I	<p>After handing over of The D/G EOT's (after commissioning of the EOT cranes) to Customer by BHEL, Customer shall provide skilled operation and maintenance personnel for EOT cranes available in TG hall and BFP buildings. <b>The customer will provide the EOT's on chargeable basis for erection of the Units/equipment's under this package. The EOT cranes shall be used by the contractor on chargeable basis; BHEL will deduct the EOT usage charges on actual basis as charged by the Customer for using EOT, from the running Bills of Contractor. Though the customer shall operate and maintain the EOT's, the contractor has also to arrange for skilled EOT operators for ensuring uninterrupted flow of work ,separately for day and night to meet project schedule, within the quoted rates. The regular maintenance of the EOT is in the scope of the NTPC, only after the handing over of the EOT's. The contractor may be required to extend help during the maintenance/Upkeep of the EOT and initial operation.</b></p>	<p><b>02 Nos. EOT Cranes (without Operator) for respective packages shall be provided on chargeable &amp; sharing basis.</b></p> <p>The D/G EOT Cranes shall be available in TG Hall after commissioning. The Customer shall provide skilled operation and maintenance personnel for EOT cranes available in TG hall and BFP buildings. <b>The customer will provide the EOT's on chargeable basis for erection of the Units/equipment's under this package. The EOT cranes shall be used by the contractor on chargeable basis; BHEL will deduct the EOT usage charges on actual basis as charged by the Customer for using EOT, from the running Bills of Contractor. Though the customer shall operate and maintain the EOT's, the contractor has also to arrange for skilled EOT operators for ensuring uninterrupted flow of work ,separately for day and night to meet project schedule, within the quoted rates. The regular maintenance of the EOT is in the scope of the NTPC, only after the handing over of the EOT's. The contractor may be required to extend help during the maintenance/Upkeep of the EOT and initial operation.</b></p>										
Clause No.	Existing	Modification										
TCC Chapter IX	<b>Important conditions</b>	<p><b>Clause No. 9.2.4 Added:</b> Guarantee Period – Guarantee Period will start from the date of acceptance of the trial operation of the Unit by BHEL/NTPC</p>										