



ISO 9001-2000, ISO 14001 and  
OHSAS 18001 certified company  
SubContract and Purchase Deptt.

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(A Govt. Of India Undertaking)  
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## CORRIGENDUM-1

**Sub: Amendment against** open tender enquiry for erection, testing, commissioning, post commissioning, trial operation and Handing over of all Electrical Equipment for GURU GOBIND SINGH REFINARIES PROJECT (CPP) BATHINDA (153 MW) OF HPCL MITTAL.”

**TENDER NO. BHEL/NR/SCT/ GGSR BATHINDA / ELE / 659**

**BHEL WEB SITE NIT REF: NIT\_7477**

This corrigendum contains following amends in the specifications and shall form a part of the above tender. This corrigendum is to be submitted, duly signed and stamped, along with the Technical bid (Part-I).

1. Due date of submission and opening of the tender is hereby extended as follows;

|                               |   |                   |
|-------------------------------|---|-------------------|
| LAST DATE OF SALE             | : | <b>07.12.2009</b> |
| DUE DATE OF TENDER SUBMISSION | : | <b>07.12.2009</b> |
| DATE OF OPENING               | : | <b>07.12.2009</b> |

2. **ADDITIONAL BOQ CUM RATE SCHEDULE FOR THE HT POWER CABLES TERMINATION ENCLOSED as Annexure – A. Bids shall be evaluated considering this ADDITIONAL BOQ CUM RATE SCHEDULE.**
3. **FOR ITEM NOS. 47 TO 72 OF THE BOQ CUM RATE SCHEDULE**
  - **LT POWER CABLES LAYING, DRESSING & CLAMPING MAY BE READ AS LT POWER CABLES LAYING, DRESSING, CLAMPING AND TERMINATION.**
4. **FOR ITEM NOS. 73 to 80 OF THE BOQ CUM RATE SCHEDULE**
  - **CONTROL/SIGNAL/ CABLES LAYING, DRESSING & CLAMPING MAY BE READ AS CONTROL/SIGNAL/ CABLES LAYING, DRESSING & CLAMPING AND TERMINATION.**

5. In Clause No. 56.14 of the SCC, The contractor have to construct the labour colony as per Sketch and clause No. 34.6.4 may be read as clause No. 34.5.7.
6. TECHNICAL CLARIFICATIONS FOR ELECTRICAL WORKS are enclosed as per Annexure – B.

Bidders are required to confirm that they have taken care of all the above changes in their offer and they have to submit the **ADDITIONAL BOQ CUM RATE SCHEDULE** in sealed envelope mentioning the same on the top of the envelop.

All other terms and conditions shall remain unaltered.

**DGM/SCP**

**ADDITIONAL BOQ CUM RATE SCHEDULE FOR ELECTRICAL WORKS AT GURU GOBIND SINGH REFINERIES  
PROJECT (CPP) BATHINDA (153 MW) OF HPCL MITTAL**

**TENDER NO. BHEL/NR/SCT/ GGSRP BATHINDA / ELE / 659**

| SL NO     | ITEM DESCRIPTION   | UNIT        | QTY        | UNIT RATE<br>( IN Rs. ) | TOTAL AMOUNT<br>(IN Rs FIGURES<br>AND WORDS) |
|-----------|--|-------------|------------|-------------------------|--|
|           | <b>HT POWER CABLES TERMINATION (With End Termination Kits.). Termination kit will be provided by BHEL.</b> |             |            |                         |  |
| <b>A1</b> | <b>Cable termination, 33KV, XLPE, 1C X 630 Sq. mm</b>  | <b>Nos.</b> | <b>100</b> |                         |  |
| <b>A2</b> | <b>Cable termination, 6.6KV, XLPE, 1C X 630 Sq. mm</b>   | <b>Nos.</b> | <b>100</b> |                         |  |
| <b>A3</b> | <b>Cable termination, 6.6KV, XLPL, 3C X 300 Sq. mm</b>   | <b>Nos.</b> | <b>10</b>  |                         |  |
| <b>A4</b> | <b>Cable termination, 6.6KV, XLPL, 3C X 185 Sq. mm</b>   | <b>Nos.</b> | <b>30</b>  |                         |  |

**TOTAL**

**Notes:**

- 1) All dimensions are in mm unless otherwise specified.
- 2) The contractor is required to quote unit-rate as well as total price against each item in the above schedule. Sub-total on each page shall be indicated and brought forward to next page and duly signed. The contractor shall ensure that grand total on this page is arithmetically checked and corrected and certified accordingly while signing below. Despite this if any calculation error is noticed after tender opening. BHEL reserves the right to deal with it as deemed fit at their end.

**TENDER NO. BHEL/NR/SCT/ GGSRP BATHINDA / ELE / 659**

- 3) The quantities indicated against each item above are tentative and same are liable to vary depending upon the site requirement. The contractor has to erect/ commission all items indicated by BHEL Engineer for achieving unit wise milestone.
- 4) The Rate shall be entered in figures as well as in words. In case of difference in rates between words and figures THE LESSER OF THE TWO will be treated as valid rate.
- 5) In case of omission in quoting any rate, the evaluation will be done considering the highest quoted rate obtained against that item but the work, if awarded, will be on the lowest quoted rate obtained against that item.
- 6) The bidders shall enter both 'Unit Rate' & 'Amount'. In case of any mismatch between 'Total Amount based on Unit Rate' & 'Total Amount as quoted', the higher of the two shall be considered for evaluation and the lower of the two shall be considered for award.
- 7) **Evaluation of the bids shall be done based on total price against original BOQ including above additional BOQ.**

| Sl. | SECTION                  | CLAUSE NO           | PAGE NO  | DESCRIPTION   | CLARIFICATION / REMARKS   | REPLY  |
|-----|--------------------------|---------------------|----------|---|---|--|
| 1   | Section - III (part - 3) | 52.6 (L) & 53.2 (Q) | 43 of 76 | DG set (1).The Electrical system, Panels of the 2.8 MW Emergency DG Set   | Kindly clarify our scope of work in DG set, as the same is <b>not included in the BOQ / Price Bid</b>   | DG set panel given in BOQ S.No.131   |
| 2   | Section - III (part - 3) | 52.6 (M)            | 43 of 76 | Functional Electrical Site testing of LT/HT Motors  | Kindly refer SI.No:54.0 page no:51. It states that the scope of testing, commissioning and post commissioning works for Transformer,Switchgears,Busduct & Battery and charger is included contractor scope. <b>Also the testing and commissioning of HT / LT motor is not defined in the above. Also it is not given in the BOQ</b> | It is being part of day to day commissioning activities related to Elect.area  |
| 3   | Section - III (part - 3) | 53.2 (A)            | 44 of 76 | HT Transformers is unloaded in BHEL Store Yard, the same will have to be shifted from BHEL Store Yard up to foundation for which Crane will be provided by BHEL for Loading on Trailer at store yard and Unloading at site. The other accessories like Crane operator, Fuel, Slings, manpower, required capacity Trailer etc. will be in the scope of contractor. | The project location is Guru Govind singh refinery.Kindly provide approximate distance from BHEL storage yard to transformer foundation / site for the ease of calculation.   | Kindly Ref. Annexure VI  |
| 4   | Section - III (part - 3) | 53.2 (M)            | 48 of 76 | Termination Of 33 KV, 11 KV & 6.6 KV HT Cables Only Shall Be Measured And Paid Separately As Per Quoted / Accepted Rate Of Respective Item Of BOQ CUM Rate Schedule.  | As per the given BOQ cum rate schedule , BHEL doesn't provide any qty for 33,11 and 6.6kV HT termination works.Kindly clarify   | As per Corrigendum   |
| 5   | Section - III (part - 3) | 53.2 (K)            | 47 of 76 | Cost of cable tray erection as per BOQ Cum Rate Schedule shall include fabrication of supports to suit site requirement , fixing of support in position by welding as per Engineers instruction.  | Kindly provide the cable tray support installation / cable tray layout drawings.  | Drgs will be issued while executing  |
| 6   | Section - III (part - 3) | 53.2 (K)            | 48 of 76 | In many cases, trays are supplied with tray covers. These covers have to be erected after completion of bottom cable tray and lying of cables etc. The covers are to be properly secured on the bottom trays and no separate payment will be made for putting these covers. If required, GI / Al strip clamps are to be used.                                     | As per the given BOQ / Price Bid SI.No: 81 to 85, the erection of cable tray price will be inclusive of tray cover fabrication and erection. Kindly provide approximate qty of cable tray cover to fabricate and erect.   | As per Tender Conditions   |
| 7   | Section - III (part - 3) | 53.2 (L)            | 48 of 76 | Laying, dressing & clamping (by Nylon / PVC ties or Aluminium strips or any other method specified by BHEL Engineer) of the cables pertaining to <b>ELMS package</b> . Routing of communication cables from various substations of the <b>Refinery to CCR</b>   | Kindly clarify ELMS package.  | ELMS is a control panel related to this panel the input(cables) in PSNR scope. |
| 8   | Section - III (part - 3) | 53.2 (O)            | 49 of 76 | The quoted rates for light fittings shall include fabrication / erection of required supporting structures and control-gear of respective fitting. <b>The quoted rates for lighting poles shall include all civil work including supply of cement etc.</b>  | Kindly provide the installation drawing for Lighting Mast.  | Drgs will be issued while executing  |
| 8   | BOQ / Rate schedule      | Item no: 92,93,94   | 11 of 15 | Fire sealing system for cable , panel and tray  | Kindly refer caluse 53.2 (J) , our scope includes supply of sealing compound for control and relay panels only.For all other items the same shall be supplied free of cost by M/s.BHEL. Please clarify.   | For Item No. 92,93,94 Fire sealing material supplied by BHEL                   |
| 9   | BOQ / Rate schedule      | Item no: 119,120    | 13 of 15 | GI , PVC conduit.   | Kindly refer the UOM as it is given in Nos. Whether we can consider the standard length of supply as 6 meter.   | Supply Length may be considered as 3 meter supplied by BHEL.                   |