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certified company  
SubContract and Purchase  
Deptt.

## Bharat Heavy Electricals Limited

(A Govt. Of India Undertaking)

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### CORRIGENDUM – I

**Subject:- Amendment against tender for “ERECTION, TESTING, COMMISSIONING AND TRIAL OPERATION OF TG SETS AT 2X250 MW HARDUAGANJ UNITS 8 & 9, ALIGARH , UP”**

**TENDER NO. BHEL/NR/SCT/HARDUAGANJ/TG/631**

**BHEL WEBSITE REF: NIT\_6570**

The Corrigendum contains following amendments 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).

#### **A. Change in Time Schedule.**

1.0 The Clause no. 58.2 of SCC of the NIT may be read as follows:

**“Entire work as detailed in the tender specifications shall be completed within 15 months from the Zero date as per programme / milestones indicated by BHEL Engineer. Contractor has to mobilise adequate resources to meet BHEL commitments to the customer as indicated from time to time.”**

2.0 The Clause no. 58.3 of SCC of the NIT may be read as follows:

”The various milestones for Unit no. 8 as per present status of the contract with Customer are as under:

<b>MILE STONES</b>	<b>MONTHS</b>
a) Erection Start	ZERO
b) Box – up for oil flushing	<b>FIVE</b>
c) Oil Flushing Completion.	<b>SIX</b>

- |                                   |               |
|-----------------------------------|---------------|
| d) Barring Gear                   | <b>SEVEN</b>  |
| e) Rolling & Synchronising        | <b>EIGHT</b>  |
| f) Trial operation & handing over | <b>ELEVEN</b> |

**The milestones of Unit no. 9 shall follow with a time lag of **TWO** months.**

**Note:** Contractor has to mobilise all required resources including manpower to achieve schedule given from time to time for which no compensation will be payable. However in case of contractor discharges his contractual responsibility even before schedule contract period, he will be allowed to wind up his set up without any financial implications on either side.

**In order to meet the Customer schedule, the Contractor may have to mobilize additional resources to compress the schedule upto 1 month within the quoted price.”**

**B. Change in clause no. 56.1 and 56.2 of SCC of the NIT.**

3.0 The Clause no. 56.1 of SCC of the NIT may be read as follows:

“BHEL has been awarded the work of Design, Manufacture, supply, installation, erection & commissioning of BTG package of 2x250 MW units at HARDUAGANJ Ext II )Units 8 & 9 , HARDUAGANJ , ALIGARH by UPRVUNL. The equipment consists of boiler, Electro-static precipitator, Fans, milling systems, steam turbines, generators, boilers feed pumps, condensate extraction pumps and piping along with the associated auxiliary supports and controls.

The scope of work under this tender consists of

- taking delivery of the Turbo-generator materials (consisting of condenser, turbine, generator along with there rotating & static auxiliaries like BFPs, CEPs, De-aerator, CST, etc from the project storage yard / stores / sheds to erection site (approximately 4 to 5 Km – **A-plant to B- Plant** ).
- Shifting of Stator of Unit -8 ,9 from present location near unloading bay to under hook for shifting to Foundation
- Their preservation, safe keeping, watch and ward.
- Checking, dressing, chipping and leveling of foundations.
- Pre-assembly, erection, alignment of various equipment, machining and grouting.
- Welding, heat treatment, radiography and other non-destructive tests wherever required
- Hydraulic testing, air leak test, and other pre commissioning tests,
- Insulation and finish painting including supply of paints etc.,

- Cleaning of Oil System
  - Steam blowing including erection and dismantling of all temporary piping, valves etc. required for above operations and other commissioning activities including post commissioning operations and stabilization of the unit.
  - Unit trial operation, resolving any deficiencies observed and handing over of 2x250 MW units at HARDUAGANJ Ext ) Units 8 & 9, HARDUAGANJ , ALIGARH.
- 4.0 The following portion of Clause no. 56.2 of SCC of the NIT may be treated as deleted and will not be considered in the NIT.

**“The scope of work will also include providing qualified Supervisors for direct supervision of various works other than the scope covered under this tender. These qualified Supervisors shall be provided for 18 (EIGHTEEN)\_man-months as per site conditions. The supervisors shall possess a minimum qualification of a mechanical / electrical engineering diploma. They shall be deployed in all areas covered under various specifications as well as other related areas as may be deemed essential based upon work requirements, though not specified. They shall be guided by BHEL Engineers to ensure smooth work progress as and when /where required /deployed. No separate payment shall be paid for providing the services as per this clause. The contractor shall provide these free of cost services within the quoted rates as per Rate Schedule.**

*In case contractor fails to provide above-mentioned engineers as desired by BHEL, the latter shall have the right to hire such services from other agencies at the risk and cost of the contractor. In case BHEL is not able to utilize the man months as per provision, a lump sum of Rs.20,000/- (Rupees Twenty thousand only) per man month for the un-utilized man months will be recovered from the bills of the contractor.”*

- 5.0 The Notes of Annexure – V of the NIT may be read as follows:

**“Notes:**

1. Any other special T&P if supplied by the manufacturer and available with the customer will also be provided to the contractor free of hire charges as and when made available. Special tools and tackles are to be used only for the purpose for which these are meant and to be returned in good condition. However low height jack may not be made available and will have to be arranged for by the contractor.
2. Other terms and conditions regarding above items shall be as per clause no. 38 (T&P/IMTEs).

3. **The Cranes at SI No 2 , 3 will be provided as per requirement and for special package handling only at the discretion of the BHEL Engineer.**
4. # # # Please refer to Clause No 46.4.
5. **Qualified Operator(s) for EOT Crane ( being made available Free of Charge ) will be arranged by the Contractor for the entire period of contract within the quoted rate ."**

**C. Extension of due date of submission.**

- 6.0 The last date of submission of tender is hereby extended upto **29.06.2009 (15:00 Hrs)** and shall be opened at **15.30 hrs. on 29.06.2009.**
- 7.0 All other terms and conditions against this NIT shall remain unchanged.

DGM/SCP