



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

Bharat Heavy Electricals Limited

(A Govt. of India Undertaking)

Power Sector, Western Region,

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Our Ref. No. BHE/PW/PUR/BSJI-ELE/483-Clfn-01

Date 17/02/2007

To,
All Bidders,

Dear Sirs,

SUB: Clarification – 01 on T. S. No. BHE/PW/PUR/BSJI-ELE/483

JOB: HANDLING AT SITE STORES/STORAGE YARD, TRANSPORTATION TO SITE OF WORK, COMPLETE ERECTION, CHECKING OF CALIBRATION, TESTING, ASSISTANCE FOR COMMISSIONING AND HANDING OVER OF ELECTRICAL PACKAGES VIZ., POWER TRANSFORMERS, ISOLATED PHASE BUS DUCT FOR GENERATOR TRANSFORMER, SEGREGATED PHASE BUS DUCT FOR STATION TRANSFORMER / UNIT AUX. TRANSFORMER, ELECTROSTATIC PRECIPITATOR, GENERATOR CONTROL & PROTECTION PANELS, STATION TRANSFORMER CONTROL & RELAY PANELS, 6.6kV / 0.415 kV SWITCHGEAR BOARDS MCC, LV 0.415 KV BUSDUCTS, SOOT BLOWER SYSTEM, DIGITAL STATIC EXCITATION SYSTEM, 220 VOLT BATTERY SYSTEM, ELECTRICAL HOIST AND ASSOCIATED ITEMS FOR UNIT #1&2 of 250 MWATNTPGSAIL POWER COMPANY PRIVATE LTD, BHILAI, DISTT: DURG, CHHATTISGARH

Certain bidders have sought some clarifications regarding the subject Tender Specification. The queries and clarifications thereof are as follows.

Query-1: – Item No. A.2 of Rate Schedule (UAT): Both technical details (page 84 of 107) as well as Rate Schedule states the secondary side voltage as 6.9 kV. However voltage rating as described in Section-4 of tender specification for various systems is stated to be 6.6 kV. Please confirm the correct voltage rating.

Clarification-1: The output voltage of Transformer is 6.9 kV. This transformer feeds to electrical system which is generally known as 6.6 kV.

Query-2: Item No. A.3 of Rate Schedule (Standby Station Transformer): Same as query at SN 1 above about voltage rating.

Clarification 2: Same as Clarification-1 above.

Query-3: Station Transformer: Technical details are furnished under clause no. 16.3 at page no. 82 of 107 (same details are repeated with identical clause no. at page 91 of 107) with regard to Station Transformer, quantity is stated to be 1 (one). Secondary side voltage rating is stated to be 7.7 kV. However Station Transformer does not find a place in the Rate Schedule.

Clarification-3: The Technical details furnished under clause no. 16.3 at page no. 82 of 107 and page no. 91 of 107 shall be treated as **null and void**. The Standby Station Transformer as appearing under item no. A.3 of Rate Schedule shall remain applicable for this contract. Technical details of this are as furnished in page 83 of 107 in Technical Specification.

Query-4: 1600 kVA, 6.6kV/415 V, Oil Filled LV Service Transformers: Technical details are furnished in clause 16.07 (please ignore the error in numbering the next clause in the same page with identical number) at page 88 of 107, wherein quantity is stated as "unit#3 - 8 nos, unit#4 - 8 nos", that is total 16 numbers. However item no. A.6 of Rate Schedule states the quantity as 8 and not 16. Please clarify whether item A.6 of Rate Schedule and clause no. 16.07 (first one) pertains to the same transformer or not.

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BHEL PSWR-NAGPUR

Continuation Sheet

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Date 17/02/2007

SUB: Clarification – 01 on T. S. No. BHE/PW/PUR/BSJI-ELE/483

Clarification-4: The quantity of 1600 kVA transformers shown as **8 nos** in rate schedule against item no. A.6 of Rate Schedule **is correct**. The unit nos #3 and #4 in clause 16.07 at page No 88 of 107 should be treated as Unit Nos #1 & 2.

Query-5: 2000 kVA, 6.6kV/415 V, Oil Filled Service Transformers: Similar discrepancy in unit numbers (#3 and #4) exists here. Item no. A.7 of Rate Schedule states the quantity as 10 (ten) whereas clause 16.06 at page 88 of 107 states this as 4 (four). Please confirm the correct quantity.

Clarification 5: The quantity shown as **10 nos** against item no. A.7 of Rate Schedule **is correct**. The unit nos #3 and #4 in clause 16.7 may be read as Unit Nos #1 & 2.

Query-6: 630 kVA, 6.6kV/415 V, Oil Filled Transformers: Similar discrepancy in unit numbers (#3 and #4 instead of # 1 and #2) exists here. Item no. A.8 of Rate Schedule states the quantity as 4 (four) whereas clause 16.07 at page 88 of 107 states this as 16 (sixteen). Please confirm the correct number of Xfmrs.

Clarification 6: The quantity shown as **4 nos** in Rate Schedule against item no. A.8 is correct. The unit nos #3 and #4 in clause 16.7 may be read as Unit Nos #1 & 2.

7) Isolated Phase Bus Duct for Generator Transformer: Quantity has been indicated as 1 (one) set at page no. 93 of 107 as well as under item SN B.1 of Rate Schedule. Please confirm whether this 1 set shall cover the entire scope of work for the two 250 MW generating units.

Clarification 7: Total quantity of Isolated Phase Bus Duct **is actually 2** (i.e. one set per each 250MW generating unit). Detailed information furnished in page 93 of 107 in Technical Specification is for each set.

8) Price Bid Specification: In view of the discrepancy in quantity of Isolated Phase Bus Duct and an error in the tender specification number appearing in the Rate Schedule, we are separately issuing a completely revised Price Bid specification. That shall supersede the existing Price Bid Specification. Bidders are requested to download the revised Price Bid Specification from the web page and use for submission of Price Bid.

Please submit with your Technical Bid one copy of this clarification duly countersigned by your authorized signatory and stamped with your official seal as a token of unqualified acceptance of this clarification.

All other terms & conditions of the tender specification & NIT shall remain unchanged unless and otherwise expressly amended by BHEL. Please note that the Last Date & Time for Tender Submission : **26/02/2007 by 18:00 hrs.**

Thanking you,

Yours faithfully,

DGM (Purchase)