

Ref: BHE/PW/PUR/UKH-GEN/1193/Corrigendum 02

Date : 03/12/2013

Page 1 of 1

To

ALL BIDDERS

**Sub: Corrigendum -02 issue of Clarification & Time Extension.**

**JOB:** Dismantling of existing Generator stator assembly, erection, magnetic centre correction of rotor w.r.t stator, Commissioning and testing of new wound stator of Ukai Hydro Unit No.4.

**Tender Specification Number: BHE/PW/PUR/UKH-GEN/1193**

Bidders to kindly take note of the following:

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**AA) Issue of Clarification**

**Clarifications to Bidders queries regarding Testing & specifications of T&Ps are as given below ;**

| <b><u>Sl No.</u></b> | <b><u>Bidder's Query</u></b>                    | <b><u>Clarification</u></b>                                                                                                                       |
|----------------------|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                    | Specification of sweep gauge to be provided     | Sweep Gauge , inside micrometer(BIG SIZE) is available at site as an standard tool and will be handed over to subcontractor during core building. |
| 2                    | H.V test Kit Rating                             | H. V Test Schedule & Rating as per enclosed Annexure V                                                                                            |
| 3                    | Length & rating of the cable for Core flux test | Single core of more than 100 sq. mm copper cable of length 250 to 300 meter.                                                                      |
| 4                    | Transformer rating of the Core flux test        | 440V/3Kv, 2MVA transformers                                                                                                                       |
| 5                    | Dimension & parameters of Turbine-Generator set | Rating: 75 MW, Core Height: 1410 mm ,ID: 10 Meter<br>Winding Type: Double Layer, Single Turn Bar, wave type Winding                               |

**BB) Time Extension**

**The due date & time for offer submission has been extended to 09/12/2013, 15.00 hrs.**

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All other Terms and conditions of the Tender Specification shall remain unaltered unless expressly amended by BHEL in writing.

Bidders are requested to submit a copy of this corrigendum duly countersigned by the authorized signatory and stamped with the Official seal as a token of Bidder's unqualified acceptance of this corrigendum.

This letter is hosted as file titled "Corrigendum-02" against NIT-15577 in BHEL web page (www.bhel.com→Tender Notifications → View Corrigendum).

Thanking you,  
Yours faithfully,

**AGM (Purchase)**

## ANNEXURE – V

### SCHEDULE OF H.V. TESTS

#### SCHEDULE OF H.V. TESTS ON STATOR WINDING AT SITE

| S. No. | Stage of Testing                                                                      | Test Voltage<br>( RMS Value ) |
|--------|---------------------------------------------------------------------------------------|-------------------------------|
| 1.     | After placing all the bottom bars in position , test bottom bars at                   | 27 KV                         |
| 2.     | After placing all the top bars in position, test top and bottom bars together at      | 25 KV                         |
| 3.     | Official H.V. Test after complete winding , each phase with other two earthed         | 23 KV                         |
| 4.     | Supplementary H.V. test on completely wound stator before commissioning, if necessary | Consult HGE,<br>BHEL, Bhopal  |

#### NOTES

1. It is understood that HV test should be carried out by the experienced, qualified & professional personnel with due precautions & care without any harm to person's safety, equipment and the job.
2. All tests specified are A.C RMS Voltage, 50 Hz. and 60 seconds duration.
3. IR & PI values, for each phase, phase to phase & 3 phase together, shall be recorded before and after each high voltage test, by using 2.5 / 5 kV megger. Megger shall be reputed make and calibrated for 0 &  $\infty$  values.
4. In case of failure during HV Testing at any stage, the subsequent tests shall be at the specified voltage for 60 seconds duration irrespective of the application of voltage during failure.