



# Bharat Heavy Electricals Limited

(A Govt. Of India Undertaking)

Power Sector, Eastern Region

BHEL BHAWAN, PLOT NO. DJ-9/1 , SECOTR II ,  
SALT LAKE CITY , KOLKATA ,WEST BENGAL, INDIA

Phone : 033-23216130-31,033-23216130 FAX : 033-23211960

## **TENDER CHANGE NOTICE (TCN-01 DTD. 05/12/2013)**

Sub	TENDER CHANGE NOTICE (TCN-01 DTD. 05/12/2013)
Job	"CAPITAL OVERHAULING OF TURBINE AND GENERATOR UNIT-4, 210 MW, KOLAGHAT TPS, WBPDC, WEST BENGAL."
Ref	TENDER NO.: PSER: PUR: KGT-S126:13: (ENQ:13:PP:0015:PUR:139) DTD. 22/11/2013.

1) With reference to above, following clarifications, relevant to tender, may please be noted and complied with while submitting the offer.

Sl. no.	Tender cl. No.	Description of Tender clause	Bidder's Queries	BHEL's clarifications
1	Annexure - 1 (Scope of work): General Actives: Sub Clause No. 22	Measurement of steam admission pipe creep. Removal of insulation as required is included in the scope. Assistance during trim balancing of the unit.	Whether re-insulation of pipe is in vendor's scope of work?	Re-insulation of pipe is not in vendor's scope of work.
2	Annexure - 1 (Scope of work): General Actives: Sub Clause No. 23	Arrangement of Hanger expert (Ex BHEL preferable) for duration of five days for critical pipe hangers setting. Arrangement of scaffolding for setting of hangers.	What is the number of hangers or area?	Approx. 40 numbers
3	Annexure - 1 (Scope of work): HP Cylinder: Sub Clause No. 29	Parting plate tightening with induction heating machine to check gaps. Parting plane gap measurement. Building of parting plane, stud heating groove enlargement as required. Measurement of nozzle bore. Weld build up of casing parting plane with eutectic 670 rod with high pressure welder and subsequent matching with top half glass plate to make casing seal bore at gland and nozzle portion circular when top and bottom half fully tightened. Manpower assistance during heating process.	Whether vendor to supply eutectic 670 rod?	Customer/BHEL shall supply/provide eutectic 670 rod to vendor.

(Signature, date & seal of authorized representative of the contractor)

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4	Annexure - 1 (Scope of work): HP Cylinder: Sub Clause No. 31	Mock box-up of HPC. Final box-up of HPC. Final tightening of studs by induction machine. Servicing of casing amortiser.	Whether vendor to arrange induction heating machine?	Customer/BHEL shall provide induction heating machine to vendor.
5	Annexure - 1 (Scope of work): IP Cylinder: Sub Clause No. 20	Correction of steam flow path by grinding of liners/diaphragms at one end and complete welding at other end. Correction of casing bump.	Whether vendor to arrange special electrode for welding?	Customer/BHEL shall provide electrode for welding to vendor.
6	Annexure - 1 (Scope of work): IP Cylinder: Sub Clause No. 25	Parting plate tightening with induction heating machine to check gaps. Parting plane gap measurement. Repair of parting plane, grinding of parting plane as required. Building of parting plane, stud heating groove enlargement as required. Manpower assistance during induction heating process.	Whether vendor to arrange induction heating machine?	Customer/BHEL shall provide induction heating machine to vendor.
7	Annexure - 1 (Scope of work): IP Cylinder: Sub Clause No. 28	Mock box-up of IPC. Final box-up of IPC. Final tightening of parting plane by induction heating machine.	Whether vendor to arrange induction heating machine?	Customer/BHEL shall provide induction heating machine to vendor.
8	Annexure - 1 (Scope of work): LP Cylinder: Sub Clause No. 9	Replacement of existing LP rotor with new LP rotor.	If LP rotor is replaced then whether the job under Sub Clause no. 10 & 11 of Annexure - 1 (Scope of work): LP Cylinder: (i.e. "Repair of lacing wire brazing joints of LP 25th and 29th stage. NFT correction of LP 25th and 29th stages. Vendor has to arrange NFT machine along with operator. Replacement of broken damping wire in LP 25th and 29th stage -inner and outer" & "Stelliting of LP 26th, 27th, 30th and 31st stage. Party has to arrange brazer for stelliting work" will be executed or not?	If LP rotor replaced then the job under Sub Clause no. 10 & 11 of Annexure - 1 (Scope of work): LP Cylinder: will not be executed.

(Signature, date & seal of authorized representative of the contractor)

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9	Annexure - 1 (Scope of work): Generator: Sub Clause No. 17	Cleaning an inspection of hydrogen coolers chamber in generator casing. Checking of RTD for cold gas & hot gas and replacement if necessary. Coolers to be fitted back in positions with new gaskets after overhauling work.	Whether vendor to arrange HV source for HV testing?	Vendor has to arrange HV source for HV testing process.
10	Annexure - 1 (Scope of work): Generator: Sub Clause No. 36	Dry out, glue injection (if necessary) and varnishing of generator stator with dry oxygen cylinder.	Whether vendor to arrange varnish?	Customer/BHEL shall provide varnish.

- 2) 'No deviation certificate' is attached. Bidder to submit their offer along with stamped & signed copy of this TCN & 'No deviation certificate' as per attached format only.
- 3) All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,  
for BHARAT HEAVY ELECTRICALS LTD

SR. ENGINEER (PURCHASE)

(Signature, date & seal of authorized representative of the contractor)

**TENDER CHANGE NOTICE (TCN-01 DTD. 05/12/2013)**

**ANNEXURE - IV**

**FORMAT FOR NO DEVIATION CERTIFICATE**  
**(To be submitted in the bidder's letter head)**

To,  
Bharat Heavy Electricals Limited,  
POWER SECTOR – EASTERN REGION  
2<sup>nd</sup> FLOOR, Block-DJ, Plot- 9/1, SECTOR  
SALT LAKE CITY, KOLKATA – 700 091  
FAX – 033-2321-1960

**Sub: NO DEVIATION CERTIFICATE FOR “CAPITAL OVERHAULING OF TURBINE AND GENERATOR UNIT-4, 210 MW, KOLAGHAT TPS, WBPDC, WEST BENGAL.”**

Tender No. PSER: PUR: KGT-S126:13: (ENQ:13:PP:0015:PUR:139) DTD. 22/11/2013, ALONG WITH TENDER CHANGE NOTICE (TCN-01) DTD. 05/12/2013.

Dear Sirs,

**With** reference to above, this is to confirm that as per tender conditions, we have visited site before submission of our offer and noted the job content & site conditions etc. We also confirm that we have not changed/modified the tender documents as appeared in the website/newspapers and in case of observance at any stage, it shall be treated as null and void.

**We** hereby confirm that we have not taken any deviation from tender clauses together with other references as enumerated in the above referred NIT *and confirm our acceptance to **reverse auctioning process*** and we hereby convey our unqualified acceptance to all terms and conditions as stipulated in the tender and NIT.

In the event of observance of any deviation in any part of our offer at a later date whether implicit or explicit, the deviations shall stand null & void.

We confirm to have submitted offer strictly in accordance with tender instructions.

Thanking you,

Yours faithfully,

(Signature, date & seal of authorized representative of the contractor)