



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

( भारत सरकार का उपक्रम )

**BHARAT HEAVY ELECTRICALS LIMITED**

(A Govt. of India Undertaking)

**TCN - 01**

Ref: PSER:SCT:BNP-T1693:TCN-01

Date: 28-09-2015

Sub	Tender Change Notice (TCN)- 01.	
Job	<i>PACKAGE-A: Erection, testing, commissioning, handing over, etc of steam turbine &amp; aux, generator &amp; aux, pumps, auxiliaries, piping, etc of 1x660 MW unit # 3 and common systems at 2x660 MW units at IBV TPS, Banharpalli, Odisha.</i>	
	<i>PACKAGE-B: Erection, testing, commissioning, handing over, etc of steam turbine &amp; aux, generator &amp; aux, pumps, auxiliaries, piping, etc of 1x660 MW unit # 4 at 2x660 MW units at IBV TPS, Banharpalli, Odisha.</i>	
Ref	1.0	Tender no PSER:SCT:BNP-T1693:15.
	2.0	BHEL's NIT, vide reference no PSER:SCT:BNP-T1693:4676 Date: 07-09-2015
	3.0	Other References, if any.

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

1. Clarification is attached vide **Annexure-A to TCN-01**.
2. Due date of submission of offer is extended from 28/09/2015 to **05/10/2015** at 1500 Hrs.
3. Revised 'No deviation certificate' is attached. Bidder to submit 'No deviation certificate' as per attached format only.
4. All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,  
for BHARAT HEAVY ELECTRICALS LTD

DGM (SCT)

Encl: As Above.

पावर सेक्टर पूर्वी क्षेत्र ( मुख्यालय )

POWER SECTOR EASTERN REGION, DJ-9/1, SALT LAKE CITY, KOLKATA - 700 091

फैक्स/Fax : (033) 23211960

फोन/Phone : बोर्ड/EPABX : 23211798/ 1691

Sl. No.	Document/Clause ref. no.			Statement of the specified clause	Clarification required	BHEL's Reply
1	TCC	APPENDIX 1 VOLUME 1F- TS, R-0	PAGE No 38 of 75	WEIGHT SCHEDULE OF MAIN PACKAGE	Please give the detailed Weight Schedule for the Common System(Included in Package 'A' Scope)	Weight of different equipments of Common system are mentioned in the weight schedule. These equipments are marked as "common for both units".
2	TCC	APPENDIX 1 VOLUME 1F- TS, R-0 Clause No 12.1.1	PAGE No 13 of 75	Successful bidder has to arrange one 10-15 KW pump motor set in skid with electrical starter for thermal shock of TG lub oil system within accepted rate/ price. This will include laying of cables/ maintenance of the pump motor set. BHEL will issue plate, piping, valves and other materials free of cost for making arrangements for thermal shock in each unit separately. For this job, laying of steam lines from the existing plant with insulations, Ordinary/ DM water pipelines for connections to coolers and all associated jobs are included in successful bidder's scope.	Please confirm weight of insulation and scope of supply for insulation. There is no weight schedule given for insulation	Insulation for this purpose will be provided by BHEL. Weight of insulation depends on the routing of pipe.
3	TCC	APPENDIX 1 VOLUME 1F- TS, R-0 Clause No 20.4	PAGE No 33 of 75	Water boxes shall be sandblasted to remove all traces of primer applied at works. Thereafter two coats of epoxide priming paint followed by two/ three coats of high build black coal tar epoxy (eg, "Apocodur CP684" of Asian Paints or equivalent paints from any other BHEL/ owner approved manufacturer with applicable drawings/ documents). Successful bidder shall submit manufacturer's batch test certificate/ test certificate from BHEL/ owner approved laboratory for primers and paints. Prior approval of BHEL/ owner for each and every batch of the primer & paints shall be mandatory.	Please confirm the scope sandblasting and procedure for sand blasting	Sand blasting has to be carried out by Contractor.
4	TCC	APPENDIX 1 VOLUME 1F- TS, R-0 Clause No 8.9	PAGE No 19 of 75	CW pipe will come generally with inside surface in painted condition from BHEL Unit. If any repair is required at site this is to be carried out within this scope. However painting around the welding joint is to be carried out at site after completion of welding and testing within this scope (sample painting schedule enclosed for tender purpose).	As per the Clause there is no sample painting schedule available with the tender	Painting schedule will be provided during execution.
5	TCC	APPENDIX 1 VOLUME 1F- TS, R-0 Clause No 8.1	PAGE No 18 of 75	Condenser tubes insertion, tube expansion, tubes cutting is to be done at site by successful bidder, after taking due care to clean all the tube holes. After final alignment and levelling of turbine exhaust and condenser, the same has to be welded to the exhaust position of LP exhaust as per the sequential welding procedure.	On going through the document, we understand that Condenser tubes will be supplied as bought out items as a single tube to erect has to be inserted, expanded, flaring and bell mouth to be done. Kindly specify the tube material, length, size & thickness, and no.s. Also is welding of tubes envisaged? If so, is an /orbital welding machine required for the same?	Welding of tubes is not required.
6	TCC	APPENDIX 1 VOLUME 1F- TS, R-0 APPENDIX II J	PAGE No 59 of 75	BHEL HYD HEAT EXCHANGER FOR EACH UNIT	Since the equal trailer and Crane are not available please furnish the unloading point of the HP Heaters and Deaerators and 5 pieces of FST	Unloading point will be decided at site during execution.
7	TCC	APPENDIX 1 VOLUME 1F- TS, R-0 ANNEXURE IV S.NO 4	PAGE No 42 of 75	Trailers with Suitable Capacity as required	Please advise the maximum size of the trailer required for transportation with tentative machine months	As per weight schedule and sizes given in relevant Annexure.

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

BHARAT HEAVY ELECTRICALS LIMITED,  
Power Sector - Eastern Region,  
Plot no 9/1, DJ Block, Sector – II, Salt Lake City,  
Kolkata – 700 091

Sub	No Deviation Certificate.	
Job	<i>PACKAGE-A: Erection, testing, commissioning, handing over, etc of steam turbine &amp; aux, generator &amp; aux, pumps, auxiliaries, piping, etc of 1x660 MW unit # 3 and common systems at 2x660 MW units at IBV TPS, Banharpalli, Odisha.</i>	
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	2.0	BHEL's NIT, vide reference no PSER:SCT:BNP-T1693:4676 Date: 07-09-2015
	3.0	BHEL's TCN-01, vide reference no PSER:SCT: BNP-T1693:TCN-01 Date: 28-09-2015
	4.0	All other pertinent issues till date.

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/ issued by you and in case of such 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. We hereby confirm our unqualified acceptance to all terms & conditions, unqualified compliance to technical specification, integrity pact (if applicable) and acceptance to reverse auctioning process.

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 in accordance with tender instructions and as per aforesaid references.

Thanking you,

Yours faithfully,

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