



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN – 01

Ref: PSER:SCT:ABJ:T1178:TCN-01

Page No. 1 of 2
Date: 21-02-2011

Sub	Tender Change Notice (TCN- 01).	
Job	Identification & Receipt of materials, Erection, Testing, Commissioning, Handing over etc of Steam Turbine & Auxiliaries, Generator & Auxiliaries, Pumps, Piping, Misc Equipments, Insulation, Painting including Unloading & Placement of Generator Stator on Foundation of TG & Auxiliaries for 2x270 MW Chandwa Project, unit-1 & 2 , Latehar, Jharkhand.	
Ref	1.0	Tender no PSER:SCT:ABJ:T1178:11
	2.0	BHEL's NIT, vide reference no PSER:SCT:ABJ:T1178 Date: 09-02-2011.
	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) Clause No 33.3 under Clause No. 33.0 (CONTRACT PRICE) pertaining to PART-2 - Common Technical Conditions of TCC in Volume-IF shall be read as below:

Weight of various equipments, quantities of various items of work covered under this tender & indicated in relevant annexures are likely to vary. For any upward or downward variation in the quantities, the accepted lumpsum price shall remain unchanged upto ± 20 % of variation in total weight of major equipments as per ANNEXURE-I of **TCC-PART-1- TECHNICAL SPECIFICATION** (TENTATIVE LIST AND WEIGHT SCHEDULE OF MAJOR EQUIPMENT FOR 1 x 270 MW UNITS) for reasons whatsoever and be applicable without any variation.

- 2) Clause No 33.5 under Clause No. 33.0 (CONTRACT PRICE) pertaining to PART-2 - Common Technical Conditions of TCC in Volume-IF shall be read as below:

The quantities of the various items mentioned in Annexure-I of **TCC-PART-1- TECHNICAL SPECIFICATION** (TENTATIVE LIST AND WEIGHT SCHEDULE OF MAJOR EQUIPMENT FOR 1 x 270 MW UNITS) are approximate, based on very preliminary information and may vary to any extent or be deleted altogether. The total quoted price will remain firm throughout the period of execution including extension, for reasons whatsoever, as long as variation in the total weight of major equipments as per ANNEXURE-I of **TCC-PART-1- TECHNICAL SPECIFICATION** (TENTATIVE LIST AND WEIGHT SCHEDULE OF MAJOR EQUIPMENT FOR 1 x 270 MW UNITS) remains within plus /minus twenty percent (± 20 %).

- 3) Clause no. 38.0 (**EXTRA CHARGES FOR RECTIFICATION/ MODIFICATION**) of PART-2 - Common Technical Conditions of TCC in Volume-IF is revised as follows:

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

38.0	EXTRA CHARGES FOR RECTIFICATION/ MODIFICATION						
38.1	The provision for extra work and man-hour rate etc shall be as per provision laid down in GCC –Volume-IB.						
38.2	<p>However, extra extra work rates for high pressure joints/other than HP joints shall be as under:</p> <p>The following are all inclusive rates applicable for rectification/modification/rework involving welding of high pressure joints.</p> <p>Unit rate per equivalent water wall joint of size OD 63.5 mm x 6.3 mm thick.</p> <table border="1"> <thead> <tr> <th><u>Type of material</u></th> <th><u>Average rate per joint</u></th> </tr> </thead> <tbody> <tr> <td>Carbon steel</td> <td>Rs. 200.00</td> </tr> <tr> <td>Alloy steel</td> <td>Rs. 250.00</td> </tr> </tbody> </table> <p>The rate indicated above and below are firm and are not subject to any escalation during the contractor period till the completion of work. Unit rates for welding are all inclusive including scaffolding, joint preparation, cutting, edge preparation, welding and stress relieving, radiography with all consumables and tools and plants.</p> <p>For additional radiography, if so desired by BHEL, payment @ Rs 6.00 per cm length of film (100 mm wide) exposed and accepted by site engineer and further certified by site Engineer that the length of film exposed is minimum required for carrying out the radiography shall be paid.</p>	<u>Type of material</u>	<u>Average rate per joint</u>	Carbon steel	Rs. 200.00	Alloy steel	Rs. 250.00
<u>Type of material</u>	<u>Average rate per joint</u>						
Carbon steel	Rs. 200.00						
Alloy steel	Rs. 250.00						

- 4) **Section–H. PIPING –(BOM FOR ONE UNIT) OF ANNEXURE-I** pertaining to TCC-PART-1-**TECHNICAL SPECIFICATION (TENTATIVE LIST AND WEIGHT SCHEDULE OF MAJOR EQUIPMENT FOR 1 x 270 MW UNITS.)** in Volume-IF IS REVISED AS PER **H. PIPING –(BOM FOR ONE UNIT) (REV-01).** ATTACHED.
- 5) Revised 'No deviation certificate' is attached. Bidder to submit 'No deviation certificate' as per attached format only.
- 6) All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,
for BHARAT HEAVY ELECTRICALS LTD

DGM (SCT)

Encl:

- 1.0 **H. PIPING – (BOM FOR ONE UNIT) (REV-01).**
- 2.0 Revised Format of 'No deviation certificate'.

H. PIPING – (BOM FOR ONE UNIT)-Rev- 01

PGMA WISE DETAILS OF PIPING FURNISHED BELOW			
Proj. Def.	Short ID	Description	Estimated Wt In kg
P1/7070	1-80-345	AUX STEAM TO DEAERATING HEATER	2500
P1/7070	1-80-400	CONDENSATE SUCTION	3000
P1/7070	1-80-401	CD FROM PUMP TO LPH1/DC INLET TEE AND RE	7000
P1/7070	1-80-402	CD FROM LPH1/DC INLET TEE TO TG TP	6000
P1/7070	1-80-407	CONDENSATE FOR SEALING OF VACUUM	3500
P1/7070	1-80-408	CONDENSATE DUMP FROM HEADER	2500
P1/7070	1-80-413	CONDENSATE TRANSFER PIPING	1500
P1/7070	1-80-413	UNLISTED CONDENSATE	2000
P1/7070	1-80-446	DEAERATING HEATER OVER FLOW AND DRAIN	2000
P1/7070	1-80-463	TG AUX COOLING WATER	90000
P1/7070	1-80-601	LOW PRESSURE DOSING PIPING	1500
P1/7070	1-80-928	H AND S FOR BOILER LIGHT UP - TG	95000
P1/7070	1-80-369	HP DRAIN FLASH TANK VENT TO SYSTEM	3000
P1/7070	1-80-375	UNLISTED SV EXHAUSTS - TG SCOPE	3000
P1/7070	1-80-381	HP HEATER VENTS - TG SCOPE	1000
P1/7070	1-80-382	LP HEATER VENTS	1500
P1/7070	1-80-385	VENT FROM UNLISTED PPG/EQPT TO COND	6000
P1/7070	1-80-387	CONDENSATE PUMP VENT	1000
P1/7070	1-80-388	CONDENSER AIR EVACUATION PIPING	3500
P1/7070	1-80-440	CONDENSER DRAINS	1000
P1/7070	1-80-442	GLAND STEAM COOLER DRAINS	500
P1/7070	1-80-443	LP HEATER-1 TO CONDENSER	2500
P1/7070	1-80-444	LP HEATER-2/3/4/5 DRAINS AND DRIP PUMP I	3500

P1/7070	1-80-447	HP HEATER DRAINS	7000
P1/7070	1-80-449	TG CYCLE PIPING DRAINS AND VENTS	12500
P1/7070	1-80-457	MANIFOLDS FOR HP FLASH BOX AND CONDENS	2500
P1/7070	1-80-473	DM WATER PIPING	4000
P1/7070	1-80-673	LUBE OIL PIPING SYSTEM	3000
P1/7070	1-80-930	H AND S FOR SYNCHRONISATION - TG	6000
		TOTAL WEIGHT	298000

TG INTEGRAL PIPING (LUB OIL PIPING, GLAND STEAM PIPING, SEAL OIL PIPING ETC) UNDER BHEL-HARDWAR SCOPE OF SUPPLY IS INCLUDED IN THE SCOPE OF SUPPLY.

NOTE:

1. THE DETAILS FURNISHED ABOVE IS BASED ON PRELIMINARY ENGG. AND THERE IS LIKELYHOOD OF MINOR ALTERATION IN THE ABOVE DETAILS IN THE SCOPE ON FINALISATION OF THE ENGINEERING.
2. THE ABOVE INFORMATIONS IS TO BE USED FOR ASSESSMENT OF THE WORK QUANTUM FOR THE EACH 270MW UNITS CHANDWA PROJECT.
3. THE COMMON SYSTEMS (WHERE EVER APPLICABLE) IS INCLUDED IN THE SCOPE OF WORK OF UNIT-1.PGMA 80-673 IS COMMON FOR BOTH UNITS.
4. "THE WORD "ADHUNIK" SHALL BE READ AS "ABHIJEET-CHANDWA".

All other terms and conditions of the tender shall remain unaltered.

NO DEVIATION CERTIFICATE

(To be typed and submitted in the Letter Head of the Company/Firm of Bidder)

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Sub : **No Deviation Certificate**

Ref : 1) Tender no **PSER:SCT:ABJ:T1178:11**

2) BHEL's NIT, vide reference no PSER:SCT:ABJ:T1178 Date: 09-02-2011

3) BHEL's TCN-01, vide reference no PSER:SCT:ABJ:T1178:TCN-01 Date: 21-02-2011

4) All other pertinent issues till date.

We hereby confirm that we have not changed/ modified/materially altered any of the tender documents as downloaded from the website/ issued by BHEL and in case of such observance at any stage, it shall be treated as null and void.

We also hereby confirm that we have neither set any Terms and Conditions and nor have we taken any deviation from the Tender conditions together with other references applicable for the above referred NIT/Tender Specification.

We further confirm our unqualified acceptance to all Terms and Conditions, unqualified compliance to Tender Conditions, 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)

पावर सेक्टर पूर्वी क्षेत्र (मुख्यालय)

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