



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN - 02

Ref: PSER:SCT:IIS-B1007:TCN-02

Date: 28-04-2009

Sub	Tender change notice (TCN) 02.	
Job	ERECTION, TESTING & COMMISSIONING OF 3X200 TPH GAS FIRED BOILER WITH AUXILIARIES AND PIPINGS AT 3X18 MW POWER & BLOWING STATION, IISCO STEEL PLANT AT BURNPUR, WEST BENGAL	
Ref	1.0	Tender no Ref: PSER:SCT:IIS-B1007:09
Ref	2.0	BHEL's NIT vide reference no Ref: PSER:SCT:IIS-B1007:09 dated 11-04-2009.
	3.0	BHEL's TCN-01 vide reference no Ref: PSER:SCT:IIS-B1007:09:TCN-01 dated 18-04-2009
	4.0	Other references (if any).

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

- 1.0 Annexure –II of VOL-ID&II has been revised . Bidders must note that this TCN-02 will form part of the tender document and are requested to comply.
- 2.0 Revised 'No deviation certificate' is attached. Bidder to submit 'No deviation certificate' as per attached format only.
- 3.0 All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,
for BHARAT HEAVY ELECTRICALS LTD

DGM (SCT)

Encl.

- 1, Annexure –II of VOL-ID&II
2. Revised 'No deviation certificate' format

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

Volume-1D & II (SPECIFIC TECHNICAL REQUIREMENT , SPECIAL CONDITIONS OF CONTRACT) ANNEXURE-II SHALL BE READ AS

ANNEXURE-II -REVISED

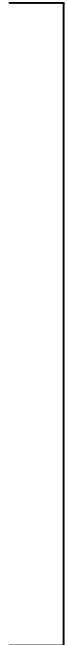
A. LIST OF T&Ps TO BE DEPLOYED BY THE CONTRACTOR

Contractors may please note that this list is not exhaustive & given for guidance purpose. The contractor may required to deploy additional T&Ps not mentioned in this list at their own cost for proper execution of the job.

Sl.	Description	Quantity
01	40 T Crawler crane	1 No.
02	Crane 8T Hydra	3nos.
03	Tractor-trailers 30T (with long bed)	1 no
04	Tractor-trailers 12T/15T (with long bed)	2 nos.
05	Truck 10T	1 no
06	Wheel barrows	1 no
07	Electrical winch 8T	2 nos.
08	Electrical winch 5T	3 nos.
09	Electrical winch 3T	3 nos.
10	Electrical winch 2T	3 nos.
11	Electrical winch 1T	1 no
12	Chain pulley block 10T	6 nos.
12a	Recordable ultrasonic test eqpt. (ufd kraft kammer make usn50 or higher version to meet the requirements)	
12b	Radiography arrangement incl. source- ir 192- 1 set	
12c	Gas burner arrangement	-1 set
12d	Hardness tester	-2 Nos.
12e	Spot welding machine	- 1 no.
13	Chain pulley block 5T, 3T, 2T	AS REQUIRED
14	Pull lift 6T, 5T, 3T, 1.5T	
15	Multipurpose pulling and lifting m/c 5T, 3T, 1.6T	
16	Hydraulic jack 100T, 50T, 20T, 10T, 5T	
17	Screw jack 50T, 25T, 10T	
18	Lifting traversing jack 5T	
19	Single sheave snatch pulley 10T, 5T	
20	Double cheave snatch pulley 10T, 5T	
21	D shakles 10T, 20T, 50T	
22	Turn buckles 3T, 5T, 8T, 10T, 15T, 20T	
23	Welding generator K320	
24	Oil cooled welding transformer 300 amp, 450 amp	
25	Air cooled welding transformer 300 amp	
26	Stress relieving transformer 600 amp	
27	Tig welding torch air cooled	
28	Tig welding torch water cooled	
29	High frequency unit	
30	Oxygen regulator	
31	Acetylene regulator	
32	Cutogen 5	
33	Oxygen hose 10 mm	
34	Acetylene hose 10 mm	
35	Electrode drying oven	
36	Portable electrode drying cabinet	
37	Copper welding cable 600 amp, 400 amp	
38	Aluminium cable 600 amp, 400 amp	

- 39 Temperature recorder
- 40 Thermochalk 100 deg C to 800 deg C
- 41 Air compressor 250 cfm, 80 cfm
- 42 Stationery compressor 350 cfm
- 43 Filling pump 80 M head, 15 ltr/sec
- 44 Electrode baking oven
- 45 Vernier theodolite - 1 sec accuracy
- 46 Dumpy level
- 47 Spirit level 12 inch, 0.1 mm accuracy

- 48 Combination squares
- 49 Micrometers of different sizes
- 50 Vernier callipers of different size
- 51 Dial guage
- 52 Flood light with bulb
- 53 Step down transformer
- 54 Drilling m/c of different sizes
- 55 Megger
- 56 Tong tester
- 57 Grinding m/c of different sizes
- 58 Chamfering m/c of different sizes
- 59 Trip torque wrench
- 60 Aluminium telescopic ladder
- 61 Manila ropes of different sizes
- 62 Steel wire ropes of different sizes
- 63 Drawing board
- 64 Radiography equipment
- 65 Moving platform
- 66 Magnetic particle test equipment
- 67 Ultrasonic flaw detector
- 68 Dye penetrant test kit
- 69 Sheet grooving m/c for outer sheet casing
- 70 Sheet bending m/c for outer sheet casing
- 71 Hydro test pump



AS REQUIRED

1 NO

B. LIST OF CONSUMABLES TO BE ARRANGED BY THE CONTRACTOR

SN	DESCRIPTION OF ITEMS
01	Electrodes for CS , SS,AS – As required except for the special electrodes supplied by BHEL/Manufacturing Units
02.	Different gases like O2,CO2,N2,Argon ,D/A etc.
03	CTC , Petrol, diesel,kerosene –As required.
04	Lapping pastes
05	NDE Consumables
06.	Hoses and clamps of different sizes – As required
07	Touch –up paints , preservatives and other consumables.
08	Cotton wastes ,jutes etc.
09	Other items required to complete the job

The above list is not exhaustive and all required the consumables required to complete the work shall have to be arranged by the successful contractor at his cost

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

TO

**Bharat Heavy Electricals Limited,
POWER SECTOR – EASTERN REGION
2nd FLOOR, Block-DJ, Plot- 9/1, SECTOR- II
SALT LAKE CITY KOLKATA – 700 091**

Kind Attention : DGM - SCT

SUB	NO DEVIATION CERTIFICATE	
JOB	ERECTION, TESTING & COMMISSIONING OF 3X200 TPH GAS FIRED BOILER WITH AUXILLIARIES AND PIPINGS AT 3X18 MW POWER & BLOWING STATION, IISCO STEEL PLANT AT BURNPUR, WEST BENGAL	
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	2.0	BHEL's NIT vide reference no Ref: PSER:SCT:IIS-B1007:09 dtd 11/04/09
	3.0	BHEL's TCN-01 vide reference no Ref: PSER:SCT:IIS-B1007:09:TCN-01, dtd 18/04/09.
	3.0	BHEL's TCN-02 vide reference no Ref: PSER:SCT:IIS-B1007:09:TCN-02, dtd 27/04/09.

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 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 convey our unqualified acceptance to all terms & conditions, unqualified compliance to technical specification, 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 strictly in accordance with tender instructions.

Thanking you,

Yours faithfully,

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