



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN – 04

Ref: PSER:SCT:SDG-M1437:TCN-04

Date: 21-03-2013

Sub	Tender change notice (TCN) 04	
Job	Design, engineering, manufacturing, supply, supervision for erection, site storage, commissioning, O&M, etc of Air Conditioning System for 2x500 MW units at Sagardighi STPP, WB.	
Ref	1.0	Tender no PSER:SCT:SDG-M1437:13
	2.0	BHEL's NIT, vide reference no PSER:SCT:SDG-M1437:3138, dated 12-02-2013.
	3.0	BHEL's TCN-01, vide reference no: PSER:SCT:SDG-M1437:TCN-01, dated 04-03-2013.
	4.0	BHEL's TCN-02, vide reference no: PSER:SCT:SDG-M1437:TCN-02, dated 12-03-2013.
	5.0	BHEL's TCN-03, vide reference no: PSER:SCT:SDG-M1437:TCN-03, dated 14-03-2013.
	6.0	All other pertinent issues till date.

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

- 1.0 Addition Clarification to bidder's query as per attached annexure-A.
- 2.0 Extension of due date of submission of offer from 21-03-2013 to **02-04-2013**.
- 3.0 Revised 'No deviation certificate' as per enclosed Annexure-2. Bidder shall submit no deviation certificate as per enclosed format only.
- 4.0 All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,
for BHARAT HEAVY ELECTRICALS LTD

ENGR (SCT)

Encl

- 1.0 As above.

पावर सेक्टर पूर्वी क्षेत्र (मुख्यालय)

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

फैक्स/Fax : (033) 23211960

फोन/Phone : बोर्ड/EPABX : 23211691, 23211798, 23211796

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	Design, engineering, manufacturing, supply, supervision for erection, site storage, commissioning, O&M, etc of Air Conditioning System for 2x500 MW units at Sagardighi STPP, WB.	
Ref	1.0	Tender no PSER:SCT:SDG-M1437:13
	2.0	BHEL's NIT, vide reference no PSER:SCT:SDG-M1437:3138, dated 12-02-2013.
	3.0	BHEL's TCN-01, vide reference no: PSER:SCT:SDG-M1437:TCN-01, dated 04-03-2013.
	4.0	BHEL's TCN-02, vide reference no: PSER:SCT:SDG-M1437:TCN-02, dated 12-03-2013.
	5.0	BHEL's TCN-03, vide reference no: PSER:SCT:SDG-M1437:TCN-03, dated 14-03-2013.
	6.0	BHEL's TCN-04, vide reference no: PSER:SCT:SDG-M1437:TCN-03, dated 21-03-2013.
	7.0	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)

पावर सेक्टर पूर्वी क्षेत्र (मुख्यालय)

POWER SECTOR EASTERN REGION DJ-9/1, SECTOR-II, SALTLAKE CITY, KOLKATA - 700 091

फैक्स/Fax : (033) 23211960

फोन/Phone : बोर्ड/EPABX : 23211691, 23211798, 23211796

JOB	Design, engineering, manufacturing, supply, supervision for erection, site storage, commissioning, O&M, etc of Air Conditioning System for 2x500 MW units at Sagardighi STPP, WB.
TENDER NO	PSER:SCT:SDG-M1437:13

Sl. No.	Ref. cl. of Tender Document	Existing provision	Bidder's Query	BHEL's Addl. Clarification
1.0	VOLUME IIB & VOLUME IIIA			
1.1	1.7.10 & 1.7.11.1 & 5.05.01	Black steel pipe conforming to IS-1239, Part I heavy grade or IS-3589 (6 mm thick). The piping upto 100 mm Dia shall be galvanized steel and those above 100 mm black steel.	Please confirm whether we will consider MS pipe for all dia pipe for condenser water & chilled water piping or we will consider piping upto 100 mm Dia shall be galvanized steel (GI).	MS pipe to be considered for all piping.
1.2	1.7.16	1 X 100% fresh air fan with pre filter & fine filter in all AHU Rooms	We will consider the pre filter inside the prefilter section of the AHU(Clause no. 1.7.8) & Finefilter section at common discharge at the AHU's (Clause no. 1.7.9). and additionally pre filter & fine filter section for fresh air arrangement in all AHU room. Kindly confirm.	Pre filter inside the prefilter section of the AHU (Clause no. 1.7.8) & Finefilter section at common discharge at the AHU's (Clause no. 1.7.9) to be consider and additionally pre filter & fine filter required for fresh airarrangement in all AHU room.
1.3			Total Static pressure is not provided in the tender. Please confirm the same. We will estimate the internal static pressure for the AHU.	75 mm total Static pressure to be considered. The total AHU static is in the range on 60 -75 mm. Bidder shall submit the calculations during detail engg.
1.4			We will require the same for selecting the AHU. Please confirm.	PI consider the Fan Outlet Velocity between (9-10) MPS.
1.5			We would request you to kindly provide us the I/O summary for system controlling, as it is not mentioned in the tender.	Bidders to offer the PLC based control system as per the tender specification.

पावर सेक्टर पूर्वी क्षेत्र (मुख्यालय)

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

फैक्स/Fax : (033) 23211960

फोन/Phone : बोर्ड/EPABX : 23211691/ 23211798/ 23211796

1.6	2.01.05	At least 26 mm thick al. foil faced nitrile rubber / XLPE insulation for chilled water drain piping.	We would request you to kindly accept the 25 mm thick black nitrile rubber / XLPE insulation for chilled water drain piping as it is the normal manufacturing range for the manufacturer.	25 mm thick black nitrile rubber / XLPE insulation is acceptable but manufacturer confirmation will be furnished during execution.
1.7	2.07.02	The smoke exhaust fan shall be designed to withstand a temperature of 400 ° C.	Noted. Please confirm the time to withstand a temperature of 400 ° C.	Bidders to consider the fire rating of motor of 400 ° C for 2 hrs.
1.8	2.12.00	Power Cum Motor Control Center / Power Distribution Board	As per the BOQ, any Motor Control Center, Power Distribution Board, AHU / FAN / Pump starter panel, Local distribution board, Local push button station, Related Cabling / Earthing work is not mentioned. Please confirm weather all are in our scope or not.	Bidders to consider the electrical scope as per Scope Split Sheet of Electrical Specification.
1.9	5.02.00	Refrigerating compressor shall be twin screw type.	For fair and healthy competition we would once again request you to kindly accept the mono screw type compressor which is technically equivalent / at per with the twin screw compressor.	To quote as per specification. In case mono screw is acceptable by client (WBPDCL) during detail engineering, Bidders will be allowed to supply the same with suitable discount to BHEL.
1.10	5.06.03	The AHU filter efficiency shall be 95% down to 10 micron.	Kindly confirm whether Panel type dry HDPE filter having an efficiency of 90% down to 10 micron size particles shall be provided with each AHU (As per clause no. 2.02.06) or it will be with filter efficiency of 95% down to 10 micron(as per clause no. 5.06.03) . Please confirm.	Filter efficiency of 95% down to 10 micron (as per clause no. 5.06.03) .
1.11			Please confirm the order of precedence of the various specification mentioned in the Section C / Customer Specification (Volume II-I/ Section III) / Section D (Standard Technical Specification).	Consider stringent specification between the three part of the specification (Section C, Customer Specification (Volume II-I/ Section III) & Section D (Standard Technical Specification)).
3.0	General			
3.1	Bidder shall submit offer strictly in compliance with technical specification and tender terms along with amendment/ clarifications issued till date within the due date.			
3.2	All other terms & conditions shall remain unchanged.			

पावर सेक्टर पूर्वी क्षेत्र (मुख्यालय)

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

फैक्स/Fax : (033) 23211960

फोन/Phone : बोर्ड/EPABX : 23211691/ 23211798/ 23211796