



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN - 05

Ref: PSER:SCT:DPL:M1344:TCN-05

Date: 13-06-2012

Sub	Tender Change Notice (TCN) - 05.	
Job	Design, Engineering, Manufacturing, Supply/Delivery, Erection, Commissioning, Trial Run, Handing Over to Customer etc of CW Treatment Plant Package for 1X 250 MW unit at DPL,Durgapur,WB.	
Ref	1.0	Tender no PSER:SCT:DPL:M1344:12.
	2.0	BHEL's NIT, vide reference no PSER: SCT:DPL:M1344:12 Date:23-04-2012
	3.0	BHEL's TCN-01,vide reference no PSER:SCT:DPL:M1344:TCN-01 Date:14-05-2012
	4.0	BHEL's TCN-02,vide reference no PSER:SCT:DPL:M1344:TCN-02 Date:23-05-2012
	5.0	BHEL's TCN-03,vide reference no PSER:SCT:DPL:M1344:TCN-03 Date:30-05-2012
	6.0	BHEL's TCN-04,vide reference no PSER:SCT:DPL:M1344:TCN-04 Date:12-06-2012
	7.0	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. Introduction of **Expected Clarified Water Analysis**.
2. Revised 'No deviation certificate' is attached. Bidder to submit '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

Engineer (SCT)

Encl:

- 1.0 Revised Format of 'No deviation certificate'.

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

EXPECTED CLARIFIED WATER ANALYSIS

Sl.No.	Constituents	As	Analysis
1.	Calcium	CaCO ₃	106.25 ppm
2.	Magnesium	CaCO ₃	52.00 ppm
3.	Sodium & Potassium	CaCO ₃	138.00 ppm
4.	Hydrogen (FMA)	CaCO ₃	-
	Total Cations	CaCO ₃	296.25 ppm
5.	Bicarbonates	CaCO ₃	190.75 ppm
6.	Carbonates	CaCO ₃	-
7.	Chloride	CaCO ₃	48.00 ppm
8.	Sulphate	CaCO ₃	57.50 ppm
9.	Nitrate	CaCO ₃	-
	Total Anions	CaCO ₃	296.25 ppm
10.	M.O. Alkalinity	CaCO ₃	190.75 ppm
11.	P. Alkalinity	CaCO ₃	-
12.	Total Hardness	CaCO ₃	158.25 ppm
13.	Carbon-di-oxide	CO ₂	8.67
14.	Dissolved Silica	SiO ₂	20 ppm
15.	pH Value	-	7.6 – 7.8
16.	Turbidity, NTU	-	15

NOTE : This analysis has been arrived based on design dosage rates for chemicals as follows :

- ALUM - 50 ppm
- LIME - 15 ppm
- CHLORINE - 5 ppm

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/Delivery, Erection, Commissioning, Trial Run, Handing Over to Customer etc of CW Treatment Plant Package for 1X 250 MW unit at DPL,Durgapur,WB.	
Ref	01	TENDER NO. PSER:SCT:DPL:M1344:12.
	02	BHEL's NIT, vide reference no PSER: SCT:DPL:M1344:12 Date:23-04-2012
	03	BHEL's TCN-01,vide reference no PSER:SCT:DPL:M1344:TCN-01 Date:14-05-2012
	04	BHEL's TCN-02,vide reference no PSER:SCT:DPL:M1344:TCN-02 Date:23-05-2012
	05	BHEL's TCN-03,vide reference no PSER:SCT:DPL:M1344:TCN-03 Date:30-05-2012
	06	BHEL's TCN-04,vide reference no PSER:SCT:DPL:M1344:TCN-04 Date:12-06-2012
	07	BHEL's TCN-05,vide reference no PSER:SCT:DPL:M1344:TCN-05 Date:13-06-2012
	08	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, SALT LAKE CITY, KOLKATA - 700 091

फैक्स/Fax : (033) 23211960

फोन/Phone : बोर्ड/EPABX : 23211691/ 1798