



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN – 09

Ref: PSER:SCT:NKP-M1673:TCN-09

Date: 24-07-2015

Sub	Tender change notice (TCN) 09	
Job	Design, engineering, manufacturing, supply, erection & commissioning, etc of one (1) No. IDCT cooling tower Pkg for 3x660 MW units at North Karanpura Super Thermal Power Project, Jharkhand.	
Ref	1.0	Tender No. PSER:SCT:NKP-M1673:15
	2.0	BHEL's NIT, vide reference no PSER:SCT:NKP-M1673:4470, dated 20-05-2015
	3.0	BHEL's TCN-01, vide reference no PSER:SCT:NKP-M1673:TCN-01, dated 09-06-2015.
	4.0	BHEL's TCN-02, vide reference no PSER:SCT:NKP-M1673:TCN-02, dated 09-06-2015.
	5.0	BHEL's TCN-03, vide reference no PSER:SCT:NKP-M1673:TCN-03, dated 15-06-2015.
	6.0	BHEL's TCN-04, vide reference no PSER:SCT:NKP-M1673:TCN-04, dated 22-06-2015.
	7.0	BHEL's TCN-05, vide reference no PSER:SCT:NKP-M1673:TCN-05, dated 04-07-2015.
	8.0	BHEL's TCN-06, vide reference no PSER:SCT:NKP-M1673:TCN-06, dated 08-07-2015.
	9.0	BHEL's TCN-07, vide reference no PSER:SCT:NKP-M1673:TCN-07, dated 13-07-2015.
	10.0	BHEL's TCN-08, vide reference no PSER:SCT:NKP-M1673:TCN-08, dated 21-07-2015.
	11.0	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 Clarification to bidder's queries as per attached Annexure-A.
- 2.0 Revised 'No deviation certificate' as per enclosed Annexure-2. Bidder shall submit no deviation certificate as per enclosed format only.
- 3.0 All other terms & conditions of the tender shall remain unchanged.

Thanking you,

Yours faithfully,
for BHARAT HEAVY ELECTRICALS LTD

SR.ENGR (SCT)

Encl : 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, erection & commissioning, etc of one (1) No. IDCT cooling tower Pkg for 3x660 MW units at North Karanpura Super Thermal Power Project, Jharkhand.	
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	10.0	BHEL's TCN-08, vide reference no PSER:SCT:NKP-M1673:TCN-08, dated 21-07-2015.
	11.0	BHEL's TCN-09, vide reference no PSER:SCT:NKP-M1673:TCN-09, dated 24-07-2015.
	12.0	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

ANNEXURE-A TO TCN-09

Design, engineering, manufacturing, supply, erection & commissioning, etc of one (1) No. IDCT cooling tower Pkg for 3x660 MW units at North Karanpura Super Thermal Power Project, Jharkhand.

Tender No. PSER:SCT:NKP-M1673:15

S.No	Reference	subject	Bidder's query	BHEL Reply/Clarification
1	Corrogandam – annexure – A to TCN 7 point no 1	Terminal Point of HW header	Your clarification indicates that the pump head should be considered with respect to FGL . Whereas the data sheet A clause indicates that pumping head should be considered with respect to Min water level. We have enclosed the basin level diagram and the pump head considered by us is indicated please clarify weather our understanding is correct and confirm.	Pls follow and comply sl no-2.8 of Data sheet- A of section –C1 ,Vol-IIB for calculating Total ACW Pumping Head.
2	Annexure – A to TCN 02 – sl no 11	Isolation valves	For counter flow towers, riser isolation and cell isolation are same. Hence we have considered one Manually operated Butterfly valve for each cell/ Riser isolation. Please confirm if any other valve is required in the main hot water feeder pipe (below ground)	Noted.
3	PE-TS-405-165-N001 -Volume IIB section C1, Revision 01, 4 of 10	Fulkerson calculations	Fulkerson calculations are applicable for Counter tower with film type rills only. Since we using splash type fill, Fulkerson calculations are not applicable. Pls confirm	Pls follow and comply technical spec- Vol-IIB.
4	GCC volume 1A page 13 of 22	Bank guarantee	We shall give the 100 % of the security deposit in the form of Bank guarantee only as most of the government/ public sector tenders are following the same.	As per tender.
5	NIT – Pre qualifying criteria clause 1.2 - technical	Letter of under taking	Please confirm when the letter of under taking is to be submitted. also provide the format of undertaking In case of consortium bidding, please inform the minimum % of work to be executed by consortium partner.	Letter of undertaking need to be submitted prior to placement of order. Letter shall as per requirement indicated in PQR. As per cl. 1.2 of PQR, the Associate will be responsible for design, erection, commissioning and satisfactory performance of the equipment/system.
6	SCC, volume 1C, page 11 of 18	Price variation	Since the project is more than 1 year , we request you to incorporate PVC clause . Moreover, the end user is NTPC, the PVC clause is applicable for all NTPC tenders.	As per tender.

ANNEXURE-A TO TCN-09**Design, engineering, manufacturing, supply, erection & commissioning, etc of one (1) No. IDCT cooling tower Pkg for 3x660 MW units at North Karanpura Super Thermal Power Project, Jharkhand.****Tender No. PSER:SCT:NKP-M1673:15**

S.No	Reference	subject	Bidder's query	BHEL Reply/Clarification
7	SCC , volume 1C, page 12 of 18	warranty	Warranty is to be given for 12 months from the date of trial operation as per tender. Please indicate the maximum time limit for trial operation from the date of mechanical completion. Generally it should be 12 months from the date of commissioning or 18 months from the date of last major supply whichever is earlier.	Maximum Time limit for Trial operation shall be 12 months from the date of E&C Completion provided there is no other delay in execution. Existing Tender condition shall remain valid.