



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN – 05

Ref: PSER:SCT:SRG:M1689:TCN-05

Date: 17-09-2015

Sub	Tender change notice (TCN) 05	
Job	Design, engineering, supply, erection & commissioning of 'Gas Chlorination Plant' Pkg. for RRVUNL, 2x660 MW, Stage-V, Unit # 7 & 8 Suratgarh Super Critical TPS, Rajasthan.	
Ref	1.0	Tender no PSER:SCT:SRG:M1689:15
	2.0	BHEL's NIT, vide reference no, PSER:SCT:SRG:M1689:4629 dated: 04-08-2015
	3.0	BHEL's TCN-01 ref :PSER:SCT:SRG:M1689:TCN-01 dated 25/08/15
	4.0	BHEL's TCN-02 ref :PSER:SCT:SRG:M1689:TCN-02 dated 27/08/15
	5.0	BHEL's TCN-03 ref : PSER:SCT:SRG:M1689:TCN-03 dated 01/09/15
	6.0	BHEL's TCN-04 ref : PSER:SCT:SRG:M1689:TCN-04 dated: 10-09-2015
	7.0	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 Due date of submission of offer is extended from **17/09/15 to 24/09/15** at 15 :00 Hrs.
- 2.0 Clarification to bidder's queries as per Annexure-A to TCN -05.
- 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

DY MGR (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

ANNEXURE-A TO TCN -05						
Job: Design, engineering, supply, erection & commissioning of 'Gas Chlorination Plant' Pkg. for RRVUNL, 2x660 MW, Stage-V, Unit # 7 & 8 Suratgarh Super Critical TPS, Rajasthan.						
Tender no PSER:SCT:SRG:M1689:15						
VOLUME	SECTION	CLAUSE NO.	PAGE NO.	EXISTING PROVISION	BIDDER'S QUERY	BHEL'S REPLY/ CLARIFICATION
II.B	C1	2) 8	12	10 Nos. Of Chlorinators (2 Nos (1W+1S) for River water chlorination + 4 Nos. (1W+3S) for CW Chlorination + 2 Nos. (1W+1S) for Pre- Treatment Plant Chlorination +2 Nos. (1W+1S) for Potable water Chlorination) as defined in Datasheet A.	As per P&ID's in the tender documents (Ref; Drawing No. PE-DG-392-174A-A001), Shown as, 8 Nos. Of Chlorinators: 2 Nos (1W+1S) for River water chlorination + 4 Nos. (1W+3S) for CW Chlorination + 2 Nos. (1W+1S) for Pre-Treatment Plant Chlorination system only. Kindly confirm the quantity required for proposed Gas chlorination plant. As there is confusion in number of chlorinators required for River water, CW, Pre treatment (Raw water) & Potable water Gas chlorination systems. Kindly confirm the requirement.	Bidders to note that for Potable water system the chlorination system is cylinder mounted chlorinators which are indicated in the Section C of specification and P&ID both. However total number of chlorinators shall remain 10
II.B	C1	2) 9	12	10 nos. chlorine evaporator (one for each chlorinator) as defined in Datasheet A	As per P&ID's in the tender documents (Ref; Drawing No. PE-DG-392-174A-A001), Shown as, 8 Nos. Of chlorine evaporator: 2 Nos (1W+1S) for River water chlorination + 4 Nos. (1W+3S) for CW Chlorination + 2 Nos. (1W+1S) for Pre- Treatment Plant Chlorination system only. Kindly confirm the quantity required for proposed Gas chlorination plant. As there is confusion in number of chlorine evaporator required for River water, CW, Pre treatment (Raw water) & Potable water Gas chlorination systems. Kindly confirm the requirement. Note: Based on capacity of Pre-treatment (Raw water GCS - Capacity : Each 20 kg/hr.) & Potable water GCS (Capacity : Each 250 g/hr.), The chlorine evaporator is not required for lower capacity. Kindly confirm.	Bidders to note that there shall be 8 nos. of chlorine evaporators - 2 Nos (1W+1S) for River water chlorination, 4 Nos. (1W+3S) for CW Chlorination and 2 Nos. (1W+1S) for Pre-Treatment Plant Chlorination system. For Potable water system, 2X100% Cylinder mounted chlorination system shall be provided by the bidder as per the tender specification.
II.B	C1	2) 10	12	20 nos. chlorine gas filters (two (1W+1S) for each chlorinator)	As per P&ID's in the tender documents (Ref; Drawing No. PE-DG-392-174A-A001), Shown as, 16 Nos. Of chlorine gas filters: 4 Nos (2W+2S) for River water chlorination + 8 Nos. (2W+6S) for CW Chlorination + 4 Nos. (2W+2S) for Pre- Treatment Plant Chlorination system only. Kindly confirm the quantity required for proposed Gas chlorination plant. As there is controversy in number of chlorine gas filter required for River water, CW, Pre treatment (Raw water) & Potable water Gas chlorination systems. Kindly confirm the requirement.	Except for Cylinder mounted Potable water chlorinators, each chlorinator shall have two no of chlorine gas filters. For potable water chlorination system total number of chlorine gas filters shall be two (Refer P&ID). Hence total no of chlorine gas filters shall be 18 nos.
II.B	C1	2) 12	12	Ten nos. Booster Pumps (2 Nos (1W+1S) for River water chlorination + 4 Nos. (1W+3S) for CW Chlorination + 2 Nos. (1W+1S) for Pre- Treatment Plant Chlorination + 2 nos. (1W+1S) for Potable Water Chlorination) as defined in Datasheet A.	As per P&ID's in the tender documents (Ref; Drawing No. PE-DG-392-174A-A001), Shown as, 8 Nos. Of booster pumps: 2 Nos. for River water chlorination + 2 Nos. for CW Chlorination + 2 Nos. for Pre- Treatment Plant + 2 Nos. For potable water gas chlorination system only. Kindly confirm the quantity required proposed Gas chlorination plant. As there is confusion in number of booster pumps required for River water, CW, Pre treatment (Raw water) & Potable water Gas chlorination systems. Kindly confirm the requirement.	Bidders to note that there shall be Ten nos. of Booster Pumps (2 Nos (1W+1S) for River water chlorination + 4 Nos. (1W+3S) for CW Chlorination + 2 Nos. (1W+1S) for Pre- Treatment Plant Chlorination + 2 nos. (1W+1S) for Potable Water Chlorination) as defined in Datasheet A.

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, supply, erection & commissioning of 'Gas Chlorination Plant' Pkg. for RRVUNL, 2x660 MW, Stage-V, Unit # 7 & 8 Suratgarh Super Critical TPS, Rajasthan.	
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	6.0	BHEL's TCN-04, vide reference no PSER:SCT:SRG:M1689:TCN-04 dated 10/09/15
	7.0	BHEL's TCN-05, vide reference no PSER:SCT:SRG:M1689:TCN-05 dated 17/09/15
	8.0	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

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