



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN - 04

Ref: PSER:SCT: SRG-M1650:TCN-04

Date: 18-03-2015

Sub	Tender change notice (TCN) 04	
Job	Design, engineering, supply, erection & commissioning of 'Effluent Treatment Plant' Pkg. for RRVUNL, 2x660 MW, Stage-V, Unit # 7 & 8 Suratgarh Super Critical TPS, Rajasthan.	
Ref	1.0	Tender No. PSER:SCT:SRG-M1650:15
	2.0	BHEL's NIT, vide reference no PSER:SCT:SRG- M1650:4209 Date: 13-02-2015
	3.0	BHEL's TCN-01 vide ref PSER:SCT: SRG-M1650:TCN-01 dated 26/02/15
	4.0	BHEL's TCN -02 vide ref PSER:SCT:SRG-M1650:TCN-02 dated 4/03/15
	5.0	BHEL's TCN-03 vide ref PSER:SCT: SRG-M1650:TCN-03 dated 16-03-2015
	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 Clarification to bidder's queries are attached as per Annexure-A .
- 2.0 Extract of Plot Plan PE-DG-392-100-M001-R4 PLOT PLAN SH-2 is attached as per [Annexure-B](#).
- 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 HYEAVY ELECTRICALS LTD

Dy Mgr (SCT)

Encl : Annexure-A & Annexure-B to TCN -04

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, supply, erection & commissioning of 'Effluent Treatment Plant' Pkg. for RRVUNL, 2x660 MW, Stage-V, Unit # 7 & 8 Suratgarh Super Critical TPS, Rajasthan.	
Ref	1.0	Tender No. PSER:SCT:SRG-M1650:15
	2.0	BHEL's NIT, vide reference no PSER:SCT:SRG- M1650:4209 Date: 13-02-2015
	3.0	BHEL's TCN-01, vide reference PSER:SCT: SRG-M1650:TCN-01, dated 26-02-15
	4.0	BHEL's TCN-02, vide reference PSER:SCT: SRG-M1650:TCN-02, dated 4-03-15
	5.0	BHEL's TCN-03, vide reference PSER:SCT: SRG-M1650:TCN-03, dated 16-03-15
	6.0	BHEL's TCN-04, vide reference PSER:SCT: SRG-M1650:TCN-04, dated 18-03-15
	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, SALT LAKE CITY, KOLKATA - 700 091

फैक्स/Fax : (033) 23211960

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

Design, engineering, supply, erection & commissioning of 'Effluent Treatment Plant' Pkg. for RRVUNL, 2x660 MW, Stage-V, Unit # 7 & 8 Suratgarh Super Critical TPS, Rajasthan.

Tender no. PSER:SCT:SRG-M1650:15

ANNEXURE-A to TCN-04

SL NO	REF CLAUSE OF TENDER DOCUMENT	EXISTING PROVISION	BIDDER'S QUERY	BHEL'S CLARIFICATION
1	GENERAL	-	Kindly confirm whether separate orders are issued for Supply & Service Part.	It is confirmed that separate orders shall be issued for Supply & Service Part.
2	GENERAL	-	Kindly confirm whether Road permits & Way bills for materials purchased outside Rajasthan shall be provided by BHEL.	Confirmed
3	GENERAL	-	Whether Service Tax applicable on Services part would be paid extra . Also kindly inform where the Service tax amount on Service Part to be indicated in the Price Bid Format.	YES. Service Tax will be reimbursable by BHEL as per tender. Hence the same is to be excluded in Price.
4	GENERAL	-	Form C shall be issued by BHEL on Quarterly basis before the end of subsequent Quarter.	Yes .Besides , it becomes the responsibility of Bidder to place requisition for C-FORM to BHEL without any delay .
5	GENERAL	-	Kindly provide us BHEL VAT registration number for Rajasthan.	PI refer SI No 17.3.5 of PSER:SCT:SRG:M1650-Vol-1C of tender .
6	GENERAL	-	For Imports purchases kindly let us know whether BHEL would sign High Sea Sales agreement and also to provide applicable certificate , Import & Export registration codes.	As per tender
7	GENERAL	-	Kindly confirm Insurance coverage during transit, storage, erection & commissioning is under the scope of BHEL and hence Insurance premium costs would not be in the Scope of Contractor.	As per tender
8	GENERAL	-	Any concessions / Benefits /Exemptions on Taxes & Duties would be available for this job.	As per tender
9	GENERAL	-	If single order is issued for the Price Schedule , BHEL shall countersign in the Purchase Order.	As per tender
10	GENERAL	-	Kindly inform us whether Service Tax (Reverse Charge) applicable on freight would be reimbursed or it should be loaded in the Price Bid.	RCM under Freight would not be reimbursed .
11	GENERAL	-	If two separate orders are issued for Supply & Services, TDS under Rajasthan VAT would not be applicable. For supply part Tax invoice would be submitted and for Service Part , Service Tax invoice would be submitted. Hence Running Bills would not be submitted.	Two separate Order means two separate sets of TAX INVOICE . Running Bill must be supported by TAX INVOICE for the subject order
12	GENERAL	-	Please confirm VAT registration under Rajasthan would not be required for the Contractor since Supply invoice would be submitted using Tamil Nadu VAT / CST registration since all the materials would be purchased outside the state of Rajasthan.	As per tender, VAT Registration will be absolutely required .
13	GENERAL	-	Whether the Billing Schedule of the order be jointly signed by Owner and Contractor for the contract price.	Billing schedule shall be submitted by successful bidder for approval of BHEL in line with tender.

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ANNEXURE-A to TCN-04

SL NO	REF CLAUSE OF TENDER DOCUMENT	EXISTING PROVISION	BIDDER'S QUERY	BHEL'S CLARIFICATION
14	GENERAL	-	Please confirm all Civil works is not envisaged in this contract.	For scope of civil please refer the tender specification
15	Vol-II B,CI No 4.0 , Pg 18 of 339	<p align="center">PIPING:</p> <p>All the piping as listed below shall be in bidder's scope. The below indicated pipes shall be designed, supplied, erected, laid and tested by the bidder. Elbows, tees, flanges, fittings, hangers and supports, embedment plates with lugs etc required for the below given piping shall also be provided by the bidder.</p>	Please confirm whether the piping rack also in our scope or any existing pipe rack available in the site for the collection of effluent from TG hall1, TG hall2, boiler area1, boiler area 2, transformer yard fire water1 and transformer yard fire water2 to common effluent collection sump. If it is available please give us the elevation of the pipe rack.	Pipe racks shall be provided by BHEL wherever available, wherever pipe racks are not available, pipe shall be laid on pedestal to be provided by BHEL. However all auxiliary steel structure (U-clamps, nuts, bolts, channels etc) for fixing pipes on pedestal or racks shall be in bidder's scope. For the availability of the pipe rack, please refer the extract of the attached plot plan (rev 04)
16	GENERAL	Design parameter for TPI	In tender document design parameter given only for lamella clarifier. Please provide us the design parameter for TPI. Especially provide us the oil content in the inlet of TPI. And also confirm whether the oil is emulsified oil or free floating oil. This is required for bidder's confirmation. And also only free floating oil will be removed by TPI, emulsified oil will be removed by DAF.	TPI shall be designed for an influent oil content of 1000 ppm which shall be free oil. And outlet guarantee shall be 10 ppm.
17	Vol-II B, CI No 13.0&14.0, Pg 25 of 339	13.0 Lamella/Tube settler 14.0 TPI	Please confirm whether all inner and outer parts MOC for Lamella clarifier and TPI is MSEP. Because the outer structure can be in RCC for both lamella clarifier and TPI. If it is RCC, Please confirm whether the outer parts is not in our scope.	Bidder to follow tender technical specification.
18	Vol-II B ,Pg 31 OF 339	SUB VENDOR LIST	Please confirm whether we can propose our own vendor list. Especially for TPI and Mild Steel Pipes which is not mention in the tender	Bidder to follow tender technical specification.
19	Vol-II B, Pg 23 OF 339	Data sheet	Please provide the Sump Depth of the RCC tanks to design the vertical centrifugal pump To design the vertical centrifugal pump	The exact sump details for designing Vertical Centrifugal Pumps shall be provided during Detailed Engineering. However the bidder shall consider a depth of 3.5 to 5 meters for all the sumps
	ELECTRICAL & INSTRUMENTATION QUERIES:			
20	Vol II-B, Pg 139 of 339	Room for PLC	Should the bidder provide the PLC Panel in the ETP Area (No 17) or in the control room building (No 26). Please clarify as it is required to measure the distance for communication cables from our equipment to the PLC panel location	The PLC shall be placed in the control room dedicated for ETP PLC in the ETP area (No 17)

ANNEXURE-A to TCN-04

SL NO	REF CLAUSE OF TENDER DOCUMENT	EXISTING PROVISION	BIDDER'S QUERY	BHEL'S CLARIFICATION
21	Vol II-B, Pg 46 of 339	Remote I/O Panels for the 6 sumps	The bidder will provide Remote I/O Panels near the location of the 6 sumps (TG Hall waste water sump 1&2, Boiler area waste water sump 1&2 and transformer yard fire water sump 1&2). From these panels the signals will be taken upto the PLC, provided by the bidder. Please confirm.	<p>1) 800 meter of 65 NB piping from TG Hall waste water sump 1 to Common collection sump (ETP AREA) is in bidder's scope. There is an existing pipe rack near boiler area. The pipes from TG area sumps to this existing pipe rack in boiler area shall be bought on pedestal and from there the existing pipe rack can be used for laying of pipes. Out of total 800 m of pipe, 100 m can be considered to be laid on pedestal and rest on the existing pipe rack.</p> <p>2) 700 meter of 65 NB piping from TG Hall waste water sump 2 to Common collection sump (ETP AREA) is in bidder's scope. There is an existing pipe rack near boiler area. The pipes from TG area sumps to this existing pipe rack in boiler area shall be bought on pedestal and from there the existing pipe rack can be used for laying of pipes. Out of total 700 m of pipe, 100 m can be considered to be laid on pedestal and rest on the existing pipe rack.</p> <p>3) 600 meter of 65 NB piping from Boiler area waste water sump 1 to Common collection sump (ETP AREA) is in bidder's scope. Total Pipe can be laid on the existing pipe rack indicated in the extract attached with this clarification.</p> <p>4) 800 meter of 65 NB piping from Boiler area waste water sump 2 to Common collection sump (ETP AREA) is in bidder's scope. Total Pipe can be laid on the existing pipe rack indicated in the extract attached with this clarification.</p> <p>5) 800 meter of 50 NB piping from Transformer yard fire water sump 1 to Oily water collection (ETP Area) is in bidder's scope. The pipes from the transformer area to the existing pipe rack near Blowdown tank / fire water pump house shall be bought on pedestal and from there the existing pipe rack can be used for laying of pipes. Out of total 800 m of pipe, 400 can be considered to be laid on pedestal and rest on the existing pipe rack. Also there is a road crossing near the Blowdown tank / fire water pump house, hence minimum 75 m of the pipe to be considered with underground pipe protection.</p> <p>6) 1000 meter of 50 NB piping from Transformer yard fire water sump 2 to Oily water collection sump (ETP AREA) is in bidder's scope. The pipes from the transformer area to the existing pipe rack near Blowdown tank / fire water pump house shall be bought on pedestal and from there the existing pipe rack can be used for laying of pipes. Out of total 1000 m of pipe, 600 can be considered to be laid on pedestal and rest on the existing pipe rack.</p> <p>7) All the above sumps have two waste transfer pumps. These remote equipments shall be controlled through PLC via remote I/O Panels.</p> <p>8) The remote I/O panels had to be located in an AC room. Instead of having an individual AC room for all the six remote I/O Panels, all the remote I/O panels for all the six systems shall be located in a Blow Down Tank / Fire Water Pump House.</p> <p>9) The cable between all sumps and remote I/O panels shall be twisted pair cable and shall be provided by BHEL to vendor. For all the cable lengths piping distances indicated above to be used.</p> <p>10) The approximate distance between the Remote I/O Panel and PLC is 400 m. The cable between I/O panels and PLC shall be Fibre Optic cable and shall be in bidder's scope.</p>
22	Vol II-B, Section C2 , Pg 48 of 339		The scope of supply of Instrument cables from Instrument to JB, JB to PLC and PLC to MCC comes under BHEL. Please confirm.	Bidder to follow tender technical specification.
23	Vol II-B, Section C2 , Pg 48 of 339		The cabling between PLC and MCC will be under the scope of BHEL. Please confirm.	Bidder to follow tender technical specification.