



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN - 01

Ref: PSER:SCT:SNG-E1548:TCN-01

Date: 21-05-2014

Sub	Tender Change Notice (TCN-01).	
Job	Electrical-2 - Erection, Laying/ Installation, Testing, Commissioning, Handing Over, etc of Panel, Motor, HT/ LT Switch Gear, Cable, Cable Tray & Accessories, other Misc Equipments, etc for 2X600 MW Singareni Thermal Power Plant at Adilabad, Andhra Pradesh.	
Ref	01	Tender No. PSER:SCT:SNG-E1548:14.
	02	BHEL's NIT, vide reference no PSER:SCT:SNG-E1548: 3732, dated 08-05-2014.
	03	Other references (if any).

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

1.0 Bidders to note the following change in TCC :

Sl. No.	Description of activity	% allocation	Ref. item no of Vol-III
43.0	BILLING SCHEDULE		
43.1.7	HT motor/ LT motor/ actuator/ misc equipment (erection excluded, only for testing, commissioning)		
43.1.7.1	Testing, pre-commissioning of individual item.	60%	13.0,17.1, 17.3,17.4 (SCH-2)
43.1.7.2	Commissioning of individual item.	40%	
43.1.7.3	Sub-total.	100%	

2.0 Clarifications to Bidder's queries has been attached herewith as per ANNEXURE-I.

3.0 Revised 'No deviation certificate' is attached. Bidder to submit 'No deviation certificate' as per attached format only.

4.0 All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,
for BHARAT HEAVY ELECTRICALS LTD

Encl

1.0 Revised 'No deviation certificate' format.

2.0 Clarifications to bidder's queries- ANNEXURE-I.

SR. ENGINEER (SCT)

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

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	Electrical-2 - Erection, Laying/ Installation, Testing, Commissioning, Handing Over, etc of Panel, Motor, HT/ LT Switch Gear, Cable, Cable Tray & Accessories, other Misc Equipments, etc for 2X600 MW Singareni Thermal Power Plant at Adilabad, Andhra Pradesh.	
Ref	1.0	Tender No. PSER:SCT:SNG-E1548:14.
	2.0	BHEL's NIT, vide reference no PSER:SCT:SNG-E1548: 3732, dated 08-05-2014.
	3.0	BHEL's TCN-01, vide reference no: Ref: PSER:SCT:SNG-E1548:TCN-01, dated 21-05-2014.
	4.0	Other references (if any).

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 authorised
representative of the contractor)

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

REPLY TO BIDDER'S CLARIFICATION

JOB		Electrical-2 - Erection, Laying/ Installation, Testing, Commissioning, Handing Over, etc of Panel, Motor, HT/ LT Switch Gear, Cable, Cable Tray & Accessories, other Misc Equipments, etc for 2X600 MW Singareni Thermal Power Plant at Adilabad, Andhra Pradesh.		
TENDER NO.		PSER:SCT: SNG-E1548:14.		
Sl no	Reference clause of tender document	Existing provision	Bidder's query	BHEL's clarification
1	TCC, VOLUME-IF-CML-R-0, Cl.No.4.15 (Page 4 of 36)	The successful bidder shall take the full responsibility of testing, pre-commissioning and commissioning of the equipment being ---- installed by others but being commissioned by him under the overall supervision of BHEL.	If successful bidder has to carry out testing and commissioning work of equipment <u>being installed by others</u> , then please let us know the details of such equipments and exact testing scope	As per the list of testing equipment given in the tender.
2	TCC, VOLUME-IF-CML-R-0, Cl.No.23.4.3 (Page 20 of 36) & Cl. No. 41.3 (Page 27 of 36)	The successful bidder is liable to furnish all documentary evidences towards payment of Works Contract Tax as and when required by BHEL. Service Tax along with Educational Cess to Service Tax as legally leviable & payable by the Contractor under 'Erection, commissioning and installation services' of Service Tax law/ Act, vide Sec-65 (105)(zzd), shall be paid by BHEL on contractor's gross bill.	Whether this contract will be considered as a "Works Contract" and what percentage of WCT is to be deducted from our bills. We have considered this contract as a Labour Oriented Contract and hence WCT will not be applicable as per our understanding. Please Confirm.	Since the material supplied are consumable in nature ,It will be governed by service tax only . WCT shall not be applicable.
3	TCC, VOLUME-IF-TS-1-R-0, Cl.No.10.4 & 10.5 (Page 10 of 14)	As per Cl. 10.4 , OEM to be arranged by Contractor at their own cost	As per Cl. 10.5, OEM shall be arranged by BHEL free of cost. Please clarify who will bear the cost of OEM as all the system / equipment will be issued by BHEL.	As per cl. no.10.4 and 10.5 Item which is issued by BHEL, the cost of service charges of OEM will be borne by BHEL. The item which is not supplied/issued by BHEL , the cost services of OEM(if required) will be borne by the bidder.
4	VOLUME-III, Price Schedule, Rev-00	Price Schedule, SCH-1, SCH-2 & SCH-3	Most of the Lines are invisible in the price schedule. Please provide the revised Price schedule or else provide the EXCEL Sheet	As per Tender
5	VOLUME-III, Price Schedule, Rev-00, SCH-2, Sl.No. 8 (Page 8 of 14)	Above Ground Earthing & Lightning Protection	Please confirm that, successful bidder to supply material for Sl. No. 8.10 & 8.11 Only.	Confirmed 8.10 and 8.11 are to be supplied by the bidder only for the above ground earthing & lightening protection.

6	VOLUME-III, Price Schedule, Rev-00, SCH-2, Sl.No. 9 (Page 8 of 14)	HT Switchgear	Please provide the weight and size of each shipping section/panels.	Each board from sr. no. 9.1 to 9.3 consisting of 18/19 Panel.Each board of Sr. no 9.3 consists of 27 no. of panels. Weight of each panel 3000Kg Size of each panel (2600X820X2700).Quantity / Unit mentioned from 9.5 to 9.7 are in no. of panel and the size and weight of each panel shall be (2600X820X2700) and weight 3000kg.
7	VOLUME-III, Price Schedule, Rev-00, SCH-2, Sl.No. 10 (Page 8 of 14)	LT Switchboard and DCDB	Please provide the weight and size of each shipping section per each SET of LT Switchboard and DCDB.	provided in this TCN.
8	VOLUME-III, Price Schedule, Rev-00, SCH-2, Sl.No. 12.1 (Page 9 of 14)	ESP Transformers	Please provide the Oil qty in Ltrs. for each transformer.	Shall be furnished in the detailed drg available at site during commissioning.
9	VOLUME-III, Price Schedule, Rev-00, SCH-2, Sl.No. 12.2 & 12.3(Page 9 of 14)	LT Main Switchboard & Aux.Control Panel	Please provide the weight and size of each shipping section per each SET of LT Main Switchboard & Aux.Control Panel.	Attached at Annexure-J to this TCN
10	VOLUME-III, Price Schedule, Rev-00, SCH-2, Sl.No. 14.7 (Page 10 of 14)	Hydrogen Dryer	Please provide the weight, size and delivery condition of Hydrogen Dryer per SET.	As per tender specification.
11	VOLUME-III, Price Schedule, Rev-00, SCH-2, Sl.No. 16.1 (Page 10 of 14)	220 V Ni-Cd Battery	Please provide no. of Cells and weight of each Cell per SET.	Each Battery set is with 340 cells. one battery set complete with electrolyte weighs 23 MT .

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TENDER NO. PSER:SCT:SNG-E1548:14.

WEIGHT SCHEDULE

Sl.No.	ITEM NAME	UOM	TOTAL QTY.	LENGTH	DEPTH (in mm)	HEIGHT (in mm)	WEIGHT (Approx.) in KG
1	UNIT-1 TURBINE SERVICE PMCC #1DA	NOS.	1	13200	1300	2450	18700
2	UNIT-2 TURBINE SERVICE PMCC #2DA		1	13200	1300	2450	18700
3	UNIT-1 BOILER SERVICE PMCC #1DB	NOS.	1	14000	1300	2450	13200
4	UNIT-2 BOILER SERVICE PMCC #2DB		1	14000	1300	2450	13200
5	UNIT-1 EMERGENCY MCC #1DG	NOS.	1	18200	1300	2450	16100
6	UNIT- EMERGENCY MCC #2DG		1	18200	1300	2450	16100
7	UNIT-1 BOILER VALVE & DAMPER ACDB #1HB	NOS.	1	11000	1300	2450	8850
8	UNIT-2 BOILER VALVE & DAMPER ACDB #2HB		1	11000	1300	2450	8850
9	UNIT-1 BOILER ACDB #1HC	NOS.	1	7700	1300	2450	7000
10	UNIT-2 BOILER ACDB #2HC		1	7700	1300	2450	7000
11	UNIT-1 ESP AREA MCC #1HD	NOS.	1	4000	1300	2450	3250
12	UNIT-2 ESP AREA MCC #2HD		1	4000	1300	2450	3250
13	UNIT-1 TURBINE VALVE DB #1KB	NOS.	1	17400	1300	2450	14050
14	UNIT-2 TURBINE VALVE DB #2KB		1	17400	1300	2450	14050
15	UNIT-1 SERVICE ACDB #1QA	NOS.	1	5800	1300	2450	5500
16	UNIT-2 SERVICE ACDB #2QA		1	5800	1300	2450	5500
17	UNIT-1 AIR WASHER MCC #1SA	NOS.	1	6900	1300	2450	6350
18	UNIT-2 AIR WASHER MCC #2SA	NOS.	1	6900	1300	2450	6350
19	UNIT-1 VENT MCC #1TA		1	8500	1300	2450	7650
20	UNIT-2 VENT MCC #2TA	NOS.	1	8500	1300	2450	7650
21	UNIT-1 ESP AC & VENT. MCC #1TB		1	8500	1300	2450	7650
22	UNIT-2 ESP AC & VENT. MCC #2TB	NOS.	1	8500	1300	2450	7650
23	220V UNIT-1 MAIN DCDB #1FA		1	12500	1300	2450	11950
24	220V UNIT-2 MAIN DCDB #2FA	NOS.	1	12500	1300	2450	11950
25	UNIT-1 STATION SERVICE PMCC #0DA		1	13200	1300	2450	14750
26	UNIT-2 STATION SERVICE PMCC #0DB	NOS.	1	11400	1300	2450	12500
27	UNIT-1 STATION SERVICE MCC #0QA	NOS.	1	5800	1300	2450	5500
28	UNIT-2 STATION SERVICE MCC #0QB	NOS.	1	5800	1300	2450	5500
29	FUEL OIL MCC #0SA	NOS.	1	10100	1300	2450	11350
30	CCR AC MCC #0TA	NOS.	1	11400	1300	2450	10050
31	SERVICE BUILDING SWBD #0TB	NOS.	1	11400	1300	2450	10050
32	415V AC DBs (WALL MOUNTED)	NOS.	30	33000	500	1200	2661
33	220V DC DBs (WALL MOUNTED)	NOS.	6	4800	500	1200	2184
34	DATA CONCENTRATOR	SET	1				3500
35	SOOT BLOWER MCC	SETS	2				10500
36	DIGITAL AUTOMATIC VOLTAGE REGULATOR (COMPRISING OF REGULATION, THYRISTOR & FIELD SUPPRESSION CUBICLE)	SETS	2	4053	800	2415	6000