



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN - 01

Ref: PSER:SCT: NKP-B1703:TCN-01

Date: 10-11-2015

Sub	Tender Change Notice (TCN) - 01.	
Job	Package-A: Erection, Testing and Commissioning of Main Boilers and Auxiliaries covering Structures, Pressure Parts, Rotating Machines, Ducts, ESP, Fuel firing system, Various SG/Critical/Misc. Piping etc. alongwith integrated Mill Bunker Structures of Unit # 1, 3 & Auxillary Boiler of 3x660 MW North Karanpura Project, Jharkhand.	
Ref	1.0	Tender no PSER:SCT:NKP-B1703:15.
	2.0	BHEL's NIT, vide reference no PSER:SCT: NKP-B1703:4735 Date: 28-10-2015.
	3.0	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) Clarification is attached vide Annexure-A to TCN-01.
- 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

Sr.Engineer (SCT)

Encl: As Above.

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

JOB:PACKAGE-A: ERECTION, TESTING AND COMMISSIONING OF MAIN BOILERS AND AUXILIARIES COVERING STRUCTURES, PRESSURE PARTS, ROTATING MACHINES, DUCTS, ESP, FUEL FIRING SYSTEM, VARIOUS SG/CRITICAL/MISC. PIPING ETC. ALONGWITH INTEGRATED MILL BUNKER STRUCTURES OF UNIT # 1, 3 & AUXILIARY BOILER OF 3X660 MW NORTH KARANPURA PROJECT, JHARKHAND.

TENDER NO PSER:SCT:NKP-B1703:15

ANNEXURE-A TO TCN-01

CLARIFICATION

Sl. No.	Reference Clause of Tender Document	Existing Provision	Bidder's query	BHEL's clarification
1.0	Clause 4 on page 19 of 23 of Annexure – A, amendment to GCC / SCC and Cl. 55.3 on page 62 of 92 of TCC	Clause 4.0-The quantities given in the contract..... (-) 15% of awarded contract value Clause 55.3 - The quantities(+_) 15% of CV	Please confirm if the contract value is beyond +_ 15%, what compensation shall be payable to contractor.	Shall be as per tender provision.
2.0	Clause 5.10.2 page 18 of 92 TCC	Painting of all exposed ----- rounded before painting	Please confirm that cleaning shall be done by wire brush/ emery paper which is a normal practice and use of power tool not envisaged, as surface is already shop painted.Also confirm that primer coat shall be applied on power cycle piping only.	Suitable method with necessary tool shall required to be applied for thoroughly cleaning purpose. All applicable surfaces and un-insulated piping surfaces shall have to be painted with two coats of primer of red-oxide zinc chromate (IS-2074).
3.0	Clause 5.10.1 line 5 on page 18 on 92 of TCC	It is mentioned that painting schedule of boiler and aux is enclosed	We do not find the painting schedule in tender specification please provide the same in order to evaluate the labour cost.	Shall be provided during execution of job to the successful bidder.
4.0	Clause 5.45.16 on page 34 of 92 of TCC	After the start ofattributable to the contractor	Please confirm the approximate period of deployment of workmen so that proper costing can be done.	Till completion of PG Test and handing over of the units to Customer.
5.0	Clause 5.45.25 on page 35 of 92 of TCC	Commissioning / inspection ----- towards handing over	The clause is not clear, please confirm the list of equipments (other appliance), so that period of electrical inspector/CEA representative can be assessed for proper costing.	Each Unit as a complete system shall be considered for PG Test performance and handing over to the Customer.
6.0	Clause 6.17 page 36 of 92 of TCC	Certified instrument..... reconciliation of material	Please confirm how contractor shall be responsible for reconciliation of material as the same would have already been handed over to BHEL.	Vendor shall reconcile the instruments /items which will be dismantled for calibration purpose from its assembled/mounted condition.
7.0	Clause 21.1.4 on page 47 of 92 of TCC	Land may be provided..... sanitation facilities	It is mentioned that land may be provided for labour colony on availability.As huge amount is involved for acquiring land as such please confirm whether land shall be provided by BHEL or is to be arranged by contractor	Land shall be provided by BHEL on temporary basis as per availability from Customer.
8.0	Clause 21.3.4 of page 48 of 92 line 2	The contractor Work is not affected	As this is Mechanical Contract the word "slip formconcreting" should be deleted	The words "(especially during slip-from concreting)" stands deleted.
9.0	Clause 21.3.6 on page 48 of 92	Bidder have to makesupply can be arranged	The clause is contradictory, please confirm if power is to be supplied by BHEL for labour colony on chargeable basis.	Vendors by themselves at their own cost have to arrange power source for the labour colony, however, BHEL shall render all necessary help for this as per tender provision.
10.0	Clause 24 on page 50 of 92 line 2	It is mentioned that civil work.....	As this is a mechanical contract the word civil work is to be deleted	Minor Civil works associated with the erected equipment by the vendor are in their scope of job.
11.0	Clause 27.6 on page 51 of 92 and clause 36.3 page 54 of 92	Clause 27.6 all site executionby the at his own cost clause 36.3 all arrangementat his cost	As it is a mechanical contract, Please confirm approx. quantum of back fillings so that proper costing can be done	Back-filling shall be done by the vendor as per requirement towards making approaches for movement of cranes, Trailers & Trucks etc. at their own cost.
12.0	Sr. No. 1.12 of price schedule	Fabrication and erection of Misc. structure	We do not find the terms of payment for Fabrication and erection in tender specification please provide same.	Payment Terms for "Fabrication & Erection of Misc. Structures" at sl. no. 1.12 of Volume-III-Price Schedule : i) On completion of fabrication = 65% ii) On completion of erection = 35%
13.0	Clause 3.0 of Annexure- A, Amendment to GCC/SCC on page 18 of 23& Clause 54.2 on page 62 of 92 of TCC	Cl. 3.0 (a) rates shall be increased by @5%..... Extension Cl. 54.2 Rate revision is not applicable	As per clause 3.0 the rate revision @5% is payable but as per cl. 54.2 on page 62 of 92 of TCC it is not applicable, please clarifywhich clause is applicable.	This is concerning to the ORC clause of Tender and the same is applicable as per clause No. 50.0 of TCC.
14.0	Serial no. 8 of Price schedule REV-00-Preamble on page 1 of 2	BHEL reserve the right before placement of order	This clause seems to be super fluous and should not be applicable to this contract. please confirm	This is not applicable.
15.0	Serial no. 10 of Price schedule REV-00-Preamble on page 1 of 2	Rates shall be quoted in English language	As there is no column provided for quoting the rates in words, please confirm that this is not applicable.	Rates in figure & word (within bracket) shall be indicated in the same column.
16.0	Appendix-III, major T&P deployed by contractor on page 88 of 92	Crawler Crane 150 MT, 80/100 MT / Tyre mounted 40 MT capacity and Flat Bed Trailer 60-70 MT capcity.	Please confirm the period of deployment of these cranes and Trailer.	Dduring execution as per requirement with due confirmation of CM,BHEL.

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TENDER NO PSER:SCT:NKP-B1703:15

ANNEXURE-A TO TCN-01

CLARIFICATION

Sl. No.	Reference Clause of Tender Document	Existing Provision	Bidder's query	BHEL's clarification
17.0	Appendix II : T&P provided by BHEL and Appendix III T&P deployed by contractor on page 87 & 88 of 92	T&P by BHEL: 0-800 kg/sq.cm HT pump T&P by Contractor 0-400 kg/sq.cm HT pump	As Hyd. Test Pump of 0-800 KG/Sq.CM shall be provided by BHEL, we feel that there is no need of 0-400 KG/sq. cm. as the requirement of pumps for a very short period.please clarify.	All the T&Ps as Appendix-III of TCC are required for execution of job.
18.0	Clause 48.13 & 48.14 on page 58 of 92 of TCC	Clause 48.13: Presently no entry tax....high court Clause 48.14: If how evermentioned aforesaid.	Please confirm that entry tax if applicable at later date, the same shall be reimburse by BHEL as per clause 48.6 on page 57 of 92 of TCC	Please refer Clause No : 48.1 of TCC.
19.0	Appendix III on page 88 of 92 of TCC	Major tool & plant to be deployed by contractor for each unit	Please confirm whether the detail of T&P to be provided by contractor is for one unit or two units as the quantities mentioned seems to be on higher side such as hyd. test pump should be one no. for two units as this is to be deployed for short period. Similarly it is indicated that Crane 150 MT cap. One each for Boiler -1 & 3, it means that 2 Nos. to be deployed for two units,Appendix-III shown T&P's deployed is for each Unit. Nos. of Pick and Carry crane also seem to be on higher side, we feel that it should be 10 Nos. for one unit. Please clarify.	T&P LIST AS PER APPENDIX-III OF TCC IS APPLICABLE FOR THIS PACKAGE NOT FOR EACH UNIT. "MAJOR TOOLS AND PLANTS & MMDs TO BE DEPLOYED BY THE CONTRACTOR FOR EACH UNIT" WRITTEN AFTER APPENDIX-III SHALL BE REVISED AS "MAJOR TOOLS AND PLANTS & MMDs TO BE DEPLOYED BY THE CONTRACTOR FOR THIS PACKAGE".
20.0	Appendix III on page 88 of 92 of TCC	High frequency unit for TIG welding	As we understand this is high frequency output voltage welding machine. Should there be any other equipment please confirm	Equipment shall be as per requirement of job.
21.0	Appendix III on page 88 of 92 of TCC	TIG welding test	Please confirm what is this?	Test for confirmation of welding quality.
22.0	TCC, Appendix-II, Tool & Plants	Major Tools and Plants & MMDs to be deployed by the contractor for Each Unit (Crawler Cranes 150T-2Nos, one each for boiler 1&3)	150 Ton Crane-indicated as one per Boiler.Please clarify the other T&P's in the list indicated by BHEL is for one unit or for both the units together	Appendix-II indicates the T&P which shall be provided by BHEL on sharing basis with other agencies of BHEL.
23.0	TCC-54.1, Mobilisation Advance	IBRAMobilisation advance not applicable this contract	We request BHEL to provide Mobilization Advance for this contract	IBRA/Mobilisation advance is not applicable as per tender provision.
24.0	TCC-49.1	Price Variation Compensation	By considering lengthy completion Time Period, we request BHEL for PVC shall be applicable from the beginning of the contract	Shall be as per tender provision.
25.0	TCC, Appendix-I, Approximate Weight of each unit	PGMA Discriptionand weight in MT	List of PGMA weight is 66346 MT for two units and as per price bid total tonnage is 107708 MT, requested to provide PGMA as per price schedule.	Indicated PGMA weight is tentative and the final PGMA list shall be provided during execution of job. Bidders are requested to consider the tonnage as per price schedule and quote accordingly.

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26.0	18 of 23	Amendment of GCC / SCC	Please confirm that all clause related to Amendment of GCC/SCC shall be applicable for this tender in conjunction with the order of precedence mentioned in clause no. 32 of NIT (Page 11 of 23). Therefore, we apprehended that ORC, PVC and quantity variation clause is applicable for this tender and PVC shall be applicable during execution of the contract.	FOR PVC REFER CLAUSE NO 49.0, FOR ORC REFER CLAUSE NO 50 AND FOR QUANTITY VARIATION REVER CLAUSE NO 55.3 OF TCC. TERMS & CONDITIONS OTHER THAN TCC SHALL BE APPLCABLE AS PER GCC AND AMENDMENT THEREOF. AMEDMENT OF GCC/SCC ARE MENTIONED IN ANNEXURE-A OF NIT. IN CASE OF CONFLICT BETWEEN TCC & GCC/SCC, THE PROVISION INDICATED IN TCC SHALL PREVAIL.
27.0	49 & 50 of T.C.C	PVC & ORC	In TCC, PVC is applicable during the extended period of contract (i.e. after 48 months) although PVC is applicable during execution of contract as mentioned in clause no. 5 of Amendment to G.C.C and in order of precedence, Amendment of G.C.C comes first, therefore we apprehended that PVC and ORC clause shall also be applicable as per amendment clause in this contract.Please confirm.	PVC and ORC shall be applicable as per TCC.
28.0	Page 2 of 2 of Price Schedule & Appendix 1 (Page 63 of 92)	Price Schedule Rev -0 & PGMA Details	Please furnish us the detail weight relating to Group – I,II,III,IV,V,VI,VII as mentioned the price schedule for item sl. no. 1.1 to 1.13 and 2 vis-à-vis PGMA details to enable us to envisage the proper cost input.	PGMA list with weight details shall be provided at erection stage.
29.0	Page 88 of 92 of TCC	T.C.C (Appendix III) Major T & P to be deployed by contractors for Each Unit	Quantity for major T&P shall be multiplied by two (2) for both the boilers as the Package-A consist both U-I & U-III and in Appendix-III major T&P are to be deployed by contractor for "each Unit". Please confirm the above and we apprehend that this quantity shall be very much on higher side.	List of T&Ps as per APPENDIX -III is applicable for this package consisting Unit#I, Unit#III & Aux. Bolier etc.
30.0	5.5.0 / Page 6 of 92 of T.C.C	BUNKER	Please confirm that all integrated Mill Bunker Structure shall be supplied to us as Bolted structure. No welding work is involved in situ. Please also confirm Whether any Bunker erection work is involved in bidders scope or not. If yes, please provide us the requisite tonnage of Bunker Shell for U-I & U-III and mentioned relevant group of price schedule.	Main support structures, extended structures, galleries etc. shall be bolted structures in general involving not much of welding scope. For detailed erection scope, please refer clause no. 5.0 of TCC
31.0	5.8.41 of T.C.C	Control Valves	Please provide us the relevant group in price schedule for applicable in erection of control valves – 100 MT.	Details shall be provided DURING EXECUTION stage.
32.0	5.10 of T.C.C	Painting Schedule	Please furnish the finish painting schedule (DFT/Micron/ no. of coat) ascertain the primary coat.	Please refer clause no. 5.10 of TCC for details of Painting job.
33.0	6.20 of T.C.C	Testing of Electrical Motor	Please confirm that testing of electrical motor shall be carried by electrical vendor.(C & I Agency)	"Testing of Electric Motor" is not mentioned in TCC clause no. 6.20
34.0	28.5.10 & 46.1 of T.C.C	Completion Period & Project Mile stone	Please confirm that Phase gap between U#1 & U#3 shall be 12 (twelve) months and total completion period for this Package (A) I.E for U#1 & 3 shall be 48 months.	Confirmed.
35.0	5.8.1 of T.C.C	No. of Joints of individual PGMA Pl. arrange to furnish us details of no. of joints along-with welding schedule of individual PGMA as it is not attached in Appendices as mentioned clause no: 5.8.1 of T.C.C	Pl. arrange to furnish us details of no. of joints along with welding schedule of individual PGMA as it is not attached in Appendices as mentioned clause no: 5.8.1 of T.C.C	Welding Schedule shall be provided by BHEL during execution of job.
36.0	PRICE SCHEDULE	PREAMBLE	We feel that certain conditions given under Price Schedule- Preamble on page 1 of 2 are for civil work and not relevant to this contract, please confirm that conditions applicable to this contract shall only prevail.	Shall be as per tender provision.
37.0			After Clause No. 5.10.6, Clause No. 5.40 is indicated on page 18 of 92, please confirm that clauses 5.11 to 5.39 are not applicable.	Subsequent to Clause No. 5.10.6 is Clause No. 5.40.

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38.0		EXTENSION OF DUE DATE OF OFFER SUBMISSION		NO EXTENSION IS ENVISAGED AT THIS JUNTURE.

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	Package-A: Erection, Testing and Commissioning of Main Boilers and Auxiliaries covering Structures, Pressure Parts, Rotating Machines, Ducts, ESP, Fuel firing system, Various SG/Critical/Misc. Piping etc. alongwith integrated Mill Bunker Structures of Unit # 1, 3 & Auxiliary Boiler of 3x660 MW North Karanpura Project, Jharkhand.	
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	2.0	BHEL's NIT, vide reference no PSER:SCT: NKP-B1703:4735 Date: 28-10-2015
	3.0	BHEL's TCN-01, vide reference no PSER:SCT: NKP-B1703:TCN-01 Date: 10-11-2015
	4.0	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)