



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

**BHARAT HEAVY ELECTRICALS LIMITED**

(A Govt. of India Undertaking)

TCN - 01

Ref: PSER:SCT:BKD-S2020:TCN-01

Date: 13-02-2020

Sub	Tender Change Notice (TCN) - 01.	
Job	Receipt, Unloading, Storage, Dismantling, Material Movement (Store/Yard To Site), New Material Erection, Re-Erection of Old items, Modification of Existing items, Restoration, Commissioning, Testing & PG Test etc. of Combustion Modification System For NOx Mitigation of DVC Bokaro-A TPS (1x500MW) (Proj-I) and DVC Koderma TPS(2x500MW) U#1&2 (Proj-II), Jharkhand.	
Ref	1.0	Tender no: PSER:SCT:BKD-S2020:20.
	2.0	BHEL's NIT, vide reference no: PSER:SCT:BKD-S2020:7839 Date: 06-02-2020.
	3.0	Other References, if any.

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

- 1) Clarifications/Modification attached vide Annexure-A of this TCN-01.
- 2) Revised 'No deviation certificate' as per enclosed Annexure-2. Bidder shall submit no deviation certificate as per enclosed format only.
- 3) 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 : (033) 2339-8000

**Receipt, Unloading, Storage, Dismantling, Material Movement (Store/Yard To Site), New Material Erection, Re-Erection of Old items, Modification of Existing items, Restoration, Commissioning, Testing & PG Test etc. of Combustion Modification System For NOx Mitigation of DVC Bokaro-A TPS (1x500MW) (Proj-I) and DVC Koderma TPS(2x500MW) U#1&2 (Proj-II), Jharkhand.**

**TENDER NO PSER:SCT:BKD-S2020:20**

**ANNEXURE-A TO TCN-01**

**CLARIFICATIONS/ MODIFICATIONS**

<b>SL. NO.</b>	<b>REFERENCE CLAUSE OF TENDER</b>	<b>EXISTING PROVISION</b>	<b>BIDDER'S QUERY</b>	<b>BHEL'S CLARIFICATION</b>
1.0	Price schedule - Koderma TPS	--	In respect of Price Schedule for 2x500 Koderma TPS, no weightage has been given against serial no. A on page 3 of 3 and the total weightage does not add up to 1.000000. Kindly clarify.	Volume-III – Price Schedule-Rev-00 (for Koderma TPS) again attached with corrected Weightage (SI No 'A' of Page 3 of 3). However, bidder shall go through entire volume before submitting their bid.
2.0	Price schedule - Bokaro TPS and Koderma TPS	--	In respect of breakup of weightages given for both projects, i.e, Koderma and Bokaro, separate weightages have been given for serial nos E & F. The post script Note in both these items states sl. no. E or F(as applicable) may not be executed in case the same is carried out by customer during execution, in that case payment shall not be made against sl no E or F(as applicable). Since only one of these items of work can possibly be carried out in each unit and if the same is done by the customer, payment shall not be made against both E&F, which is absurd. Kindly clarify.	<p>Bidders are requested to note the following:</p> <p>a) For SL.NO F: If this is done by customer then no payment against this item to be made.</p> <p>b) For SL.NO E: If this is done by customer then no payment against this item to be made.</p> <p>c) If any one of SL.NO. E or F is carried out by vendor then payment will be done as per quoted price. As an example if cup lock scaffolding arranged by customer but execution done by vendor then only SL.NO E is applicable and accordingly that payment will be made as per quoted price. If execution of cup lock scaffolding is being done by customer but arrangement of cup lock scaffolding material is under vendor scope then only SL.No F is applicable and payment will be made as per quoted price. If arrangement and execution both are done by vendor then SL.No. F&amp;E applicable and payment will be made as per quoted price.</p>

VOLUME-III PRICE SCHEDULE, REV-00 (TCN-01)	
<b>PROJ-II: Receipt, unloading, storage, Dismantling, material movement, New Material Erection, Re-Erection of Old Items, Modification of existing Items, Restoration, Commissioning, Testing &amp; PG Test etc. of Combustion modification system for Nox mitigation of U#1&amp;2 (2x500MW) DVC KodermaTPS Jharkhand.</b>	
TENDER NO PSER:SCT:JKD-S2020:20	
PREAMBLE	
SL NO	DESCRIPTION
1	This preamble forms part of tender document and schedule of items. The tenderer should read this preamble carefully before filling in rates for various items. Clauses under this preamble shall be read in conjunction with various volumes of tender and other tender sections as applicable and shall have precedence over any contrary statement mentioned anywhere in this document.
2	The work shall be carried out strictly as per specifications, description of the items in these schedule and / or engineer's instructions. Drawings enclosd with the tender are only preliminary and for guidance/tender purposes giving some idea of the work involved. The work is to be executed as per terms & conditions of the tender and actual drawings/documents, which shall be furnished during execution.
3	Items of work provided in this schedule but not covered in this specification shall be executed strictly as per instruction of the engineer.
4	Unless specifically mentioned otherwise in the tender document, the tenderer shall quote for the finished items and shall provide for the complete cost towards power, fuel, tools, tackles, equipment, constructional plants, temporary works, labour, dismantling of all temporary piping, structures, valves, pumps, tanks & other misc. equipment, strengthening of roads/culverts/bridges etc. including arranging all clearances etc. required for carrying out different activities & tests, materials, levies, transport, layout, repairs, rectification, maintenance till handing over, supervisions, colonies, shops, establishments, overheads, profits and all incidental items not specifically mentioned but reasonably implied and necessary to complete the work according to the complete tender document and this schedule.
5	The quantities of the various items mentioned in this schedule of items are approximate, based on very preliminary information and may vary to any extent or be deleted altogether. The quoted rates of each item will remain firm throughout the period of execution including extension, for reasons whatsoever, as long as variation in the total value of work executed under any part of this contract including extra items, if any but excluding any price variation remains, within plus minus fifteen percent ( $\pm 15\%$ ) of the awarded price as per LOI.
6	Prior written approval of BHEL shall be sought by the contractor in case quantity variation of any item crosses +50% (plus fifty percent) limit during execution and approval to be obtained before execution of further quantity for this item.
7	In case Sealed /Paper Price Bids are opened for finalisation of the tender, for any Item Rate/BOQ based service contract, possibility of variation of quantity/ addition/deletion of items can not be ruled out. Under such circumstances, after execution of work, if it is observed that standing as L-1 is changed based on actual quantity executed, the bidder shall give suitable rebate to maintain your standing as L-1. Since this aspect can be assessed at the end of execution, necessary adjustment will be effected at the end of execution in final bill. This condition shall not be applicable where the tender is finalised through Reverse Auction.
8	BHEL reserve the right to rationalize the rates, quoted by L-1 bidder against unit rate items and/ or other optional items with respect to item-wise lowest rates (amongst the participating bidders), before placement of order. The rates of unit rate/optional items shall remain valid till execution of the order, if the job/work is awarded to the bidder.
9	The rates quoted shall be inclusive of cleaning of site of any vegetation, dressing, clearing of old structures and leveling etc. including fixing of grid pillars, benchmarks etc. required for commencement of site activities. No separate payment will be made towards the same. However, if separate rate for such item is available in the rate schedule, the same shall be considered.
10	Rates shall be quoted in figures and in words in clear legible writing. No overwriting is allowed. All scoring and cancellations should be countersigned and in case of illegibility the interpretation of engineer shall be final. All entries shall be in English language.
11	All works item wise shall be measured upon completion and paid for at the rates quoted and accepted as per BHEL approved payment schedule/billing break-up.
12	The tender shall be deemed to have visited site and made himself aware of all the site conditions, studied the specifications and details of work to be done within the time schedule attached and to have acquainted himself of the conditions prevailing at site before submission of his bid/offer. No claim whatsoever due to lack of knowledge of site conditions shall be entertained after award of the work.
13	No splitting of the job is envisaged unless the same is specifically indicated in the TCC/Vol-1F. Decision of BHEL in this regard shall be final and binding to the bidders.
14	Bidders are not allowed to alter the Price Schedule format including item description, quantity etc. and the offer is liable for rejection if the bidders submit their prices in Price Schedules modified by them. BHEL reserves the right to reject the offers of bidders who submit offers in Price Formats which are modified/ altered by them. Also putting any comments instead of rates/price in the designated column of the rate schedule shall make the offer liable for rejection.
15	Bidders to note that for Civil & Structural packages, against a particular item against a ST No. appearing in more than one schedule of the BOQ, same rate must be quoted in all schedules for that particular items with same descriptions. If by error, different rates are quoted in different schedules for same ST No.(i.e. item with same description), then the higher of the rates shall be considered for evaluation but awarding shall be done with the lower rate, if the bidder becomes L-1. The same modality shall be applicable for other item rate service contracts where item with same description is repeated in different schedules.
16	For Lumpsum Service Contract : The items/components indicated in the tender is indicative and may vary to any extent. No compensation shall be payable in case of any variation in the items/components listed in the bill of quantities if the executed weight remains within the variation limit. However, in case of deletion of any item or addition of new items over and above the items listed or variation of existing quantity beyond variation limit specified, adjustment (i.e. Payment or recovery as the case may be) shall be done on pro-rata basis based on the Rate per MT worked out from the quoted lump-sum Price and the total weight of components listed /indicated in price schedule plus 15% weight variation limit.
17	Engineer's decision shall be final and binding on the contractor regarding clarification of items in the schedule with respect to the other sections/volumes of the contract.
18	In case of tender for Civil and/or Structural works, if the Non-schedule items are not quoted by the bidder, it will be treated at par with rate of corresponding item of CPWD/PWD/DSR schedule as prescribed in the tender/BOQ cum Rate Schedule. PVC/escalation is not payable for these Non-scheduled items.
19	No interest, whatsoever, shall be payable by BHEL on the security deposit, any bank guarantee submitted or any amount due to successful bidder/contractor. No idling charge whatsoever (either for labour or any other resources) is payable by BHEL for any reason whatsoever.
20	Size and weights of various items are mentioned in the attached BOQ cum rate/price schedule for reference purpose only & these shall not be taken into consideration for quoting/calculating amount in the rate schedule. These shall be utilised as per relevant sections of tender. Bidders shall quote for each item in the rate column, taking unit as mentioned in the quantity column. Rates shall be filled in both figures and words. Amount shall be calculated based upon these rates multiplied by the mentioned quantity for the respective items.
21	Bidder's Total price shall be considered for evaluation unless stated otherwise.
22	In case of BOP packages, if Bidder does not quote/indicate the price for freight charges against indicated rate schedule, the same shall be considered as 2% of basic price and adjusted with the total quoted price against each item keeping the total quoted price unaltered

<b>VOLUME-III</b> <b>PRICE SCHEDULE, REV-00 (TCN-01)</b>			
<b>PROJ-II: Receipt, unloading, storage, Dismantling, material movement, New Material Erection, Re-Erection of Old Items, Modification of existing Items, Restoration, Commissioning, Testing &amp; PG Test etc. of Combustion modification system for Nox mitigation of U#1&amp;2 (2x500MW) DVC KodermaTPS Jharkhand.</b>			
<b>TENDER NO PSER:SCT:BKD-S2020:20</b>			
<b>SCH-1 - TOTAL PRICE (2x500MW - U#1&amp;2- DVC-KODERMA TPS)</b>			
SL. NO.	DESCRIPTION OF EQUIPMENT/ ITEM	PRICE SCHEDULE REF	TOTAL PRICE FOR TWO BOILERS (IN INR)
1.0	Total price for Receipt, Unloading, Storage of materials, Dismantling (certain areas as per site requirement/scope of work) & Upkeepment of materials for re-use/re-erection/modification of Mechanical, Electrical & C&I system, supply & application of paints, handling/transportation of equipments / materials from storage yard to site, pre-assembly, erection, cable laying, cable termination, cable glanding, testing, commissioning of new materials, re-erection/re-use/modification/commissioning of old dismantled items, handing over & PG Test etc. of total Mechanical, Electrical and C&I system for Combustion modification system for Nox mitigation at DVC KodermaTPS (2x500MW) U#1&2 as detailed in the tender document.	SCH 2 - BREAK UP OF TOTAL PRICE	
<b>NOTE:-</b>			
i.	Bidder shall quote total price for total price of SCH-1- Part only at SI No. 1 above. All other amounts / rates of each item of works in respective schedules / parts will be derived based on allocated percentages. As such, any uncalled figure/ amount noted at any other place / schedule of Volume-III will not be reckoned & will stand null & void. Price for each unit will be derived as total quoted price for TWO NO OF BOILER / 2. Payment shall be realised unitwise on completion milestone schedule of each unit mentioned in TCC.		
ii.	Bidder to note that total price at SI No. 1 above shall be considered for evaluation & awarding. As such grand total price should be complete in all respect for the full scope defined and considering all terms and conditions.		
iii.	Based on the itemwise percentage allocations, the amount for the individual items of the Bill of Quantity shall be arrived at. The rates of individual items shall be derived from the amount against each items after rounding off .		
iv.	Price format shall not be changed by bidder in any case and it may lead to cancellation of their offer.		
v	Bidder's quoted total price of SCH-1 at SI. No 1 above, respectively shall be apportioned into amount of various items of works based on allocated percentages against respective item, in respective schedules / parts. As such, bidder shall not indicate / quote any amount / rate in these schedules / parts and any amount / rate quoted against any item shall not be taken into cognizance / account and offer may be liable for rejection.		
vi	Bidders to note that this is an item rate contract. Payment shall be made for the actual quantities of work executed at the unit rate arrived at as per SI No. (iii) above.		
vii	Based on the itemwise percentage allocations, the amount for the individual items of the Bill of Quantity shall be arrived at. The rates of individual items shall be derived from the amount against each items and its quantity after rounding off to upto 9 decimal places. However, RA bill payment shall be done after rounding off the gross amount to two decimal points. Any adjustment, if required, due to such methodology, will be effected / adjusted in final bill.		
viii	Any item as per scope of work, if not included in the price quoted above and shown separately will not be taken cognizance of and the offer shall be liable for rejection.		

**VOLUME-III**  
**PRICE SCHEDULE, REV-00 (TCN-01)**

**PROJ-II: Receipt, unloading, storage, Dismantling, material movement, New Material Erection, Re-Erection of Old Items, Modification of existing Items, Restoration, Commissioning, Testing & PG Test etc. of Combustion modification system for NOx mitigation of U#1&2 (2x500MW) DVC KodermaTPS Jharkhand.**

**TENDER NO PSER:SCT:BDK-S2020:20**

**SCH-2 - TOTAL PRICE BREAK UP(2x500MW - U#1&2- DVC-KODERMA TPS)**

<b>SL. NO.</b>	<b>DESCRIPTION OF EQUIPMENT/ ITEM</b>	<b>Quantity For TWO Boilers.</b>	<b>Weightage for total price of each item on total price</b>
<b>A</b>	Dismantling of Boiler items as per scope of work & Re-Erection/re-use/modification, alignment, welding & commissioning etc. of old dismantled items (for details, refer annexure-I & scope of work of TCC) a.1 Approx weight to be dismantled: 50 MT/Boiler x 2=100 MT a.2 Approx weight of Old dismantled Items to be retained/re-erected, rectified, aligned, welded, commissioned is 30 MTX2=60 MT. For details, Refer annexure-I & scope of work of TCC. <b>Note: Quantity for Dismantling work &amp; old dismantled items to be re-erected/re-used/modified, commissioned may vary to any extent. No extra payment shall be made for quantity variation for a.1 &amp; a.2 mentioned above.</b>	1 lot	0.11602864
<b>B</b>	Erection of new items: Approx weight of new items to be erected, aligned, commissioned including shifting of material from store/yard to site, Erection & arrangement of Scaffolding etc. for Boiler: 200.164 MT (Pr Parts:14.361+Insulation:35.057+Non Pr Parts:150.746)/Boiler x2= 400.328MT. For details, Refer annex-II & scope of work of TCC. <b>Note: Erection &amp; arrangement of scaffolding in required areas excluding 1 st pass Boiler Furnace Inside(refer E&amp;F of this schedule). Payment shall be made on proarata basis as per actual quantity.</b>	400.328 MT	0.47097755
<b>C</b>	C&I & Electrical work: For details, Refer Annex-III & scope of work of TCC. <b>Note: Quantity &amp; Size of C&amp;I &amp; Electrical Works/Items may vary to any extent. No extra payment shall be made for quantity/size variation.</b>	1 Lot	0.07734434
<b>D.1</b>	Material Handling work for 210 MT/Boiler X2=420 MT (for details, refer Annex-IV & scope of work of TCC). Payment shall be made on proarata basis as per actual quantity.	420 MT	0.07133096
<b>D.2</b>	Approx weight of existing/old materials shifting/re stacking inside cover store/semi covered store/material yard is 5 MT/Unit (for details, refer Annex IV & scope of work of TCC). Payment shall be made on proarata basis as per actual quantity.	10 MT	0.00061144
<b>E</b>	Erection of cup lock Scaffolding along with Steel Planks, Staircase, handrails etc. for <b>1 st Pass Inside Boiler Furnace:</b> a) Scaffolding Materials receipt & transportation/shifting from customer store to site. b) Erection of Scaffolding. c) Dismantling of Scaffolding on completion of work. d) Return of Scaffolding material to customer store. e) This scaffolding work to be carried out during shutdown period, however material shifting to be carried out during pre-shutdown period. For details refer scope of work of TCC. <b>Note: sl. no.E may not be executed in case the same is carried out by customer during execution, in that case payment shall not be made against sl no E.</b>	1 lot	0.08431083
<b>F</b>	Arrangement of cup lock Scaffolding materials along with Steel Planks, Staircase, handrails etc. for <b>1 st pass inside Boiler Furnace</b> a) For making Scaffolding upto 55 Mtr Elevation inside Boiler furnace 1 st pass. b) Approximate dimension of furnace inside is 19.939 Mtrs X 16.559 Mtrs c) Requirement of these scaffolding will be during shutdown period, however all materials to be made available at site before commencement of shutdown. For details refer scope of work of TCC <b>Note: sl. no.F may not be executed in case the same is arranged by customer during execution, in that case payment shall not be made against sl no F.</b>	1 lot	0.17939624
	<b>TOTAL</b>		<b>1.00000000</b>

**ANNEXURE - 2**

**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	Receipt, Unloading, Storage, Dismantling, Material Movement (Store/Yard To Site), New Material Erection, Re-Erection of Old items, Modification of Existing items, Restoration, Commissioning, Testing & PG Test etc. of Combustion Modification System For NOx Mitigation of DVC Bokaro-A TPS (1x500MW) (Proj-I) and DVC Koderma TPS(2x500MW) U#1&2 (Proj-II), Jharkhand.	
Ref	1.0	Tender no PSER:SCT:BKD-S2020:20.
	2.0	BHEL's NIT, vide ref no PSER:SCT:BKD-S2020:7839 Date: 06-02-2020.
	3.0	BHEL's TCN-01, vide ref no PSER:SCT:BKD-S2020:TCN-01 Date: 13-02-2020.
	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/uploaded offer/documents in accordance with tender instructions with acceptance of the terms & conditions of the tender by us 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 : (033) 23398000