



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

**BHARAT HEAVY ELECTRICALS LIMITED**

(A Govt. of India Undertaking)

REF : PSER-SCT-ADK-B1050

**TENDER CHANGE NOTE 03 (TCN – 03) DT: 08-12-2009**

**WITH REFERENCE TO THE NIT, PUBLISHED IN THE WEB SITES FOR ERECTION, TESTING, COMMISSIONING ETC OF BOILER & AUX OF UNIT 1&2 FOR 2X270 MW UNITS AT MAHABIR PRASAD STPP, APNRL, JAMSHEDPUR, DIST-SAREIKELA-KHARASAWAN, JHARKHAND. FOLLOWING CHANGES MAY PLEASE BE NOTED AND COMPLIED WHILE SUBMITTING THE OFFER FOR THE SUBJECT JOB.**

REF: TENDER DOCUMENT NO-PSER-SCT-ADK-B1050:09

01. Few modification/clarification to tendered terms is enclosed herewith as per Annexure-I
02. Based on the above, the price schedule has been modified and enclosed herewith as rev-1. The earlier price schedule, rev-0 stands cancelled and replaced by Price schedule,REV-1.
03. Based on above and as requested by bidders, the due date of submission of bid is hereby now extended up to 15-12-2009.
04. The No deviation certificate has been revised and enclosed herewith as Annexure-II. Bidders are requested to submit the same as token of acceptance of all points.

**BIDDERS TO NOTE THAT ALL TCNS WILL FORM PART OF TENDER DOCUMENT.**

**ALL OTHER TERMS & CONDITIONS OF THE TENDER SHALL REMAIN UNCHANGED.**

**SDGM (SCT)**

पावर सेक्टर पूर्वी क्षेत्र (मुख्यालय)

POWER SECTOR EASTERN REGION, DJ-9/1, SALT LAKE CITY, KOLKATA - 700 091

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**ANNEXURE-I****MODIFICATION TO TENDERED TERMS (TCN-03)**

Clause no. 53.3.3 of Volume-ID stands modified and superseded as under :

53.3.3	The quoted rates per MT for different groups indicated in rate/price schedule shall be distributed in the following manner for releasing payments against RA bills:	<b>Payment break up</b>					
		<i>Stages of payment</i>	Pr parts/Trim Piping	Rotating machine	Non-pr parts	ESP	Piping (incl. P-91)
			Gr.I & II	Gr.III	Gr.IV	Gr.V	Gr.VI & VII
53.3.3.1	Completion of pre-assembly	15%	----	15%	15%	15%	
53.3.3.2	Placement in position	25%	40%	25%	20%	20%	
53.3.3.3	Alignment, grouting & welding including bolting as required	35%	45%	40%	40%	35%	
53.3.3.4	Completion of non destructive examination & stress relieving / heat treatment	10%	----	----	----	15%	
53.3.3.5	Bolting & completion hangers & supports etc. wherever necessary	----	----	05%	----	05%	
53.3.3.6	Completion of Hydraulic test (drainable)	04%	----	----	----	04%	
53.3.3.7	Completion of air & Gas tightness test for equipment	----	----	04%	04%	----	
53.3.3.8	Gas distribution test	----	----	----	05%	----	
53.3.3.9	Charging of all field of ESP	----	----	----	05%	----	
53.3.3.10	Boiler light up and ABO	03%	06%	03%	05%	----	
53.3.3.11	Completion of acid / chemical cleaning	02%	----	02%	----	----	
53.3.3.12	On completion of steam blowing & Safety Valve floating	04%	----	----	----	4%	
53.3.3.13	Coal firing	01%	05%	03%	03%	01%	
53.3.3.14	Full loading	01%	04%	03%	03%	01%	
<b>Total</b>		<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	

For Gr.VII (Final Painting):100% payment shall be made on supply & application of final painting.

However, it may be noted that items/components on which final painting has been applied shall be measured & considered for payment purpose. Identification of such components shall be as per direction of BHEL Engineer.

For Gr. IX (UNLOADING OF BOILER DRUM):100% payment shall be made on unloading of the boiler drum at the designated place.

For Gr.X (PROVIDING PG TEST ASSISTANCE):100% payment shall be released on completion of the PG test.

The clause no. 53.3.4.10 of volume-ID is modified and replaced as under:

53.3.4.10	The 5% of contract value, retained from each RA bill, will be released on completion of guarantee period. However, this 5% payment can be released against submission of performance bank guarantee valid for the guarantee period as stated above in prescribed pro-forma subject to liquidation of all pending points/punch points, reconciliation of issued materials, completion of contractual obligation and contract closing in all respect. The submission of bank guarantee towards performance guarantee is separate and the bank guarantee towards security deposit cannot be utilized for this purpose. The security deposit will be refunded as per GCC.
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- a) The word “Guwahati” appearing in clause no. 2.72 stands deleted.
- b) With reference to sl. No. 11 of the Pre-bid MOM dated 24-11-2009 issued with TCN-01 dated 30-11-2009, it is clarified that only CS pipes are used in materials of piping under PGMAs 80-401,80-402 & 80-407.
- c) The revised Annexure-D (Rev.01) is attached. This supersedes the Annexure-D of the SCC of the tender.
- d) The revised rate schedule is enclosed herewith.
- e) All other terms & conditions of the tender shall remain unaltered.

<b>ANNEXURE – D Rev.01</b>			
<b>LIST OF T&amp;P TO BE MADE AVAILABLE ON SHARING BASIS BY BHEL FREE OF ANY CHARGES BOTH UNITS</b>			
SI no	Item	Capacity	Quantity
1	Crawler crane	250 MT or equivalent/higher capacity	1 no
2	Crawler Crane	MID-RANGE	1 no
3	Crawler Crane	GENERAL PURPOSE (100T OR EQV.)	1 no
4	Crawler crane	75 T capacity	1 no
5	Drum lifting winch along with sheave pulley blocks and wire ropes and other accessories	As Reqd.	As Reqd.
6	Induction Heating Equipment along with accessories with High Frequency cable between equipment to capacitor Panel with Annealing Cable.	As Reqd.	As Reqd.
7	EOT crane in TG hall (if required)	As installed	As installed
8	Hydro test pump	0-450 kg/sqcm	1 no
9	Chemical circulating pumps	As required	As Reqd.
10	Air Blower	As required	1 no.
11	Huck Bolting Machine	As required	As Reqd.
12	LT Kiosk & 1.1KV Cables	As required	As Reqd.
<b>Note:-</b>			
01	The above T&Ps will be made available for the project. Contractor may make use of the T&Ps as per the provision of tender document.		
02	All other T&Ps required for proper execution of the job shall be provided by the contractor.		
03	All the T&P listed above shall be issued and used as per relevant clause in the contract.		
04	The T&Ps under sl. nos. 1,2 & 3 shall be provided with fuel & operator as per relevant clause of the tender.		

<b>VOLUME-III A</b>	
<b>PRICE/RATE SCHEDULE, REV-0</b>	
<b>ERECTION, TESTING &amp; COMMISSIONING OF BOILER,ESP, FANS, MILLS, CRITICAL PIPING, INSULATION, FINAL PAINTING ETC TOGETHER WITH COMPLETE MATERIALS MANAGEMENT OF ALL PACKAGES LIKE BOILER,TG ,PIPING, ELECTRICAL C&amp;I ETC AND FABRICATION &amp; ERECTION OF STRUCTURAL STEEL WORK FOR 1X250 MW BUDGE BUDGE GENERATING STATION, EXTENSION UNIT-3, CESC, PUJALI, 24 PARGANAS WEST BENGAL</b>	
<b>TENDER NO :- PSER:SCT:BDG-B768:07</b>	
<b>PREAMBLE</b>	
01	This preamble forms part of tender document and schedule of items. The tenderer should read this preamble carefully in rates for various items. Clauses under this preamble shall be read in conjunction with various volumes of tender as per NIT together with subsequent changes/modifications etc thereto as applicable as on date of submission of price offer.
02	The work shall be carried out strictly as per specifications, description of the items in these schedule and / or engineer's instructions.
03	Items of work provided in this schedule but not covered in this specification shall be executed strictly as per instruction of the engineer.
04	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, taxes, 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 tender document and this schedule.
05	The quantities of the various items mentioned in this schedule of items are approximate, based on the preliminary information and may vary to any extent or to be deleted altogether. The quoted rates shall remain firm and valid for +/- 20% variation in total weight as indicated in relevant Annexure of weight schedule throughout the period of execution including extension, for reasons what-so-ever.
06	The rates quoted shall be inclusive of cleaning of site of any vegetation, dressing 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.
07	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
08	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.
09	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.
10	For each rate schedule, the quoted overall price only should be considered for bid evaluation purpose & groupwise rates are being obtained only for facilitating pro-rata billing.
11	Summation of quoted prices all the price/rate schedules shall be considered for evaluation.
12	All works item wise shall be measured upon completion and paid for at the rates quoted & accepted.

**VOLUME-III  
PRICE/RATE SCHEDULE, REV-1**

**Complete work of unloading & positioning of boiler drum, handling including receipt of materials from BHEL/client's stores/storage yard, arranging their issue, site transportation, temporary storage prior to erection, if required, cleaning, transportation to site, preservative painting, erection, alignment, welding, leveling, adjustment, chipping & leveling of foundation, all pre-commissioning tests, commissioning, start-up and trial operation and handing over of total boiler & its auxiliaries including all rotating machines & piping, insulation, painting etc of Unit-1 & Unit-2 at 2x270 MW Unit at MAHABIR PRASAD STPP, APNRL Jamshedpur. Dist-SAREIKELA-KHARASAWAN, Jharkhand.**

**TENDER NO :- PSER:SCT:ADK-B1050:09**

**PREAMBLE**

01	This preamble forms part of tender document and schedule of items. The tenderer should read this preamble carefully in rates for various items. Clauses under this preamble shall be read in conjunction with various volumes of tender as per NIT together with subsequent changes/ modifications etc thereto as applicable as on date of submission of price offer.
02	The work shall be carried out strictly as per specifications, description of the items in these schedule and / or engineer's instructions.
03	Items of work provided in this schedule but not covered in this specification shall be executed strictly as per instruction of the engineer.
04	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, taxes, 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 tender document and this schedule.
05	The quantities of the various items mentioned in this schedule of items are approximate, based on the preliminary information and may vary to any extent or be deleted all together.  The quoted/accepted rates shall remain firm and valid for variation in quantity of various items as indicated in relevant schedule throughout the period of execution including extension up to (+/-) 20% of the awarded/accepted contract value
06	The rates quoted shall be inclusive of cleaning of site of any vegetation, dressing 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.
07	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
08	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.
09	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.
10	For each rate schedule, the quoted overall price only should be considered for bid evaluation purpose & groupwise rates are being obtained only for facilitating pro-rata billing.
11	All works item wise shall be measured upon completion and paid for at the rates quoted & accepted.

**VOLUME-III A**  
**PRICE/RATE SCHEDULE, REV-1**

Complete work of unloading & positioning of boiler drum, handling including receipt of materials from BHEL/client's stores/storage yard, arranging their issue, site transportation, temporary storage prior to erection, if required, cleaning, transportation to site preservative painting, erection, alignment, welding, leveling, adjustment, chipping & leveling of foundation, all pre-commissioning tests, commissioning, start-up and trial operation and handing over of total boiler & its auxiliaries including all rotating machines & piping, insulation, final painting painting etc of Unit-1 & Unit-2 at 2x270 MW Unit at MAHABIR PRASAD STPP, APNRL Jamshedpur, Dist-SAREIKELA-KHARASAWAN, Jharkhand.

**TENDER NO :- PSER:SCT:**

**PRICE/RATE SCHEDULE**

Bidders are requested to submit their price only as sought under price schedule below :-

GROUP	DESCRIPTION OF ITEM	UNIT OF MEASUREMENT	QTY	UNIT RATE	TOTAL AMOUNT (IN Rs)
			A	( In Rs) B	( In figures & In Words) A x B
I	PRESSURE PARTS	MT	6712.00		
II	TRIM PIPING	MT	460.00		
III	NON-PRESSURE PARTS	MT	13508.00		
IV	ROTATING MACHINES	MT	3779.00		
V	ELECTRO STATIC PRECIPITATOR	MT	7763.00		
VI	PIPING ( EXCEPT P-91 PIPING)	MT	2089.00		
VII	PIPING -P-91	MT	175.00		
VIII	FINAL PAINTING	MT	18000.00		
IX	UNLOADING OF BOILER DRUM	LUMPSUM	2		
X	PROVIDING PG TEST ASSISTANCE	LUMPSUM	2		
<b>TOTAL</b>					

NOTES				
1.0	FOR DETAILS OF PGs COVERED UNDER DIFFERENT GROUPS, PLEASE REFER TO ANNEXURE I.			
2.0	BESIDES ABOVE PRODUCT GROUP, THERE IS LIKELIHOOD OF ADDITION OF NEW PG UNDER THE ABOVE GROUP HEADS DUE TO RELEASE OF SOME ITEMS INTEGRAL TO BOILER. THE QUOTED RATES SHALL BE APPLICABLE FOR SUCH PGs ALSO WITHIN THE STIPULATED VARIATION LIMIT.			
3.0	ANY WORK NOT COMING UNDER THE SPECIFIED PGs OF PRESSURE PARTS, WILL QUALIFY FOR PAYMENT AS PER THE PAYMENT TERMS OF NON-PRESSURE PARTS.			

**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	<i>ERECTION, TESTING, COMMISSIONING ETC OF BOILER &amp; AUX OF UNIT # 1 &amp; 2 FOR 2X270 MW UNITS AT MAHABIR PRASAD STPP, APNRL, JAMSHEDPUR, SAREIKELA-KHARASAWAN, JHARKHAND</i>	
Ref	1.0	Tender no PSER:SCT:ADK-B1050:09
	2.0	BHEL's NIT, vide reference no PSER:SCT:ADK-B1050: dated 12/11/09
	3.0	BHEL's TCN-01 dated 30/11/2009
	4.0	BHEL's TCN-02 vide reference : PSER:SCT:ADK-B1050: dated 03-12-2009
	5.0	BHEL's TCN-03 vide reference : PSER:SCT:ADK-B1050: dated 08-12-2009
	6.0	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 authorized  
representative of the bidder)