



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

**BHARAT HEAVY ELECTRICALS LIMITED**

(A Govt. of India Undertaking)

**TCN - 02**

Ref: PSER:SCT:BOB-Q1043:TCN-02

Date: 11-11-2009

Sub	Tender change notice (TCN- 02).	
Job	<b>PROVIDING FIELD QUALITY ASSURANCE SERVICES FOR MECHANICAL, BOILER &amp; AUX, TG &amp; AUX FOR 2 X 660 MW BARH STPP STG-II PATNA , BIHAR &amp; 3X250 MW BONGAIGAON THERMAL POWER PROJECT BONGAIGAON , KOKRAJHAR , ASSAM.</b>	
Ref	1.0	Tender no PSER:SCT:BOB-Q1043:09.
	2.0	BHEL's NIT, vide reference no PSER:SCT:BOB-Q1043:09, dated 19-10-09.
	3.0	BHEL's TCN-01, vide reference no PSER:SCT:BOB-Q1043:TCN-01, dated 09-11-09.
	4.0	Other references (if any).

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

- 1.0 Modification/clarification to tender terms as per annexure-A
- 2.0 Format for Vendor Evaluation Feedback & RTGS (Real Time Gross Settlement) is attached.
- 3.0 **BOQ cum price schedule format VOL-III PRICE SCHEDULE, REV-0 has been revised as VOL-III-PRICE SCHEDULE, REV-1 which is enclosed herewith. As such you are requested to consider the revised BOQ/price schedule only and quote your price accordingly.** Offer from bidders in superseded price schedule (Vol-III, REV-0) shall not be considered. Bidders are also requested to submit a declaration in techno-commercial offer that they have submitted their price bid in sealed envelope as per **REVISED price schedule format (VOL-III- PRICE SCHEDULE, REV-1)**
- 4.0 Because of the subject changes, the due date of submission is hereby extended to 20/11/2009.
- 5.0 Revised 'No deviation certificate' is attached. Bidder to submit 'No deviation certificate' as per attached format only.
- 6.0 All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,  
for BHARAT HEAVY ELECTRICALS LTD

**DGM (SCT)**

Encl:

- 1.0 Annexure-A
- 2.0 Evaluation Feedback & RTGS Format
- 3.0 Revised BOQ cum price schedule format (VOL-III- PRICE SCHEDULE, REV-1)
- 4.0 Revised format of 'No deviation certificate'.

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	<b>PROVIDING FIELD QUALITY ASSURANCE SERVICES FOR MECHANICAL, BOILER &amp; AUX, TG &amp; AUX FOR 2 X 660 MW BARH STPP STG-II PATNA , BIHAR &amp; 3X250 MW BONGAIGAON THERMAL POWER PROJECT BONGAIGAON , KOKRAJHAR , ASSAM.</b>	
Ref	1.0	Tender no PSER:SCT:BOB-Q1043:09.
	2.0	BHEL's NIT, vide reference no PSER:SCT:BOB-Q1043:09, dated 19-10-09.
	3.0	BHEL's TCN-01 issued vide reference no. PSER:SCT:BOB-Q1043:TCN-01 dated 09-11-2009
	4.0	BHEL's TCN-02 issued vide reference no. PSER:SCT:BOB-Q1043:TCN-02 dated 11-11-2009
	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 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)

**ANNEXURE-A**

**JOB: PROVIDING FIELD QUALITY ASSURANCE SERVICES FOR MECHANICAL, BOILER & AUX, TG & AUX FOR 2 X 660 MW BARH STPP STG-II PATNA , BIHAR & 3X250 MW BONGAIGAON THERMAL POWER PROJECT BONGAIGAON , KOKRAJHAR , ASSAM..**

**TENDER DOCUMENT NO : PSER:SCT:BOB-Q1043:09**

**1. Refer Clause No. 2 of page 4 of 13. The tentative deployment schedule stands modified as below:**

CATEGORY	DEPLOYMENT		PERIOD IN MONTHS
	FROM	TO	
2x660MW BARH STPP STG-II PROJECT			
Safety Engineer	Dec'09	SEP'12	Safety Engineer
Engineer (Boiler/ Piping)	Mar'10	SEP'12	Engineer (Boiler/ Piping)
Engineer (TG)	Oct'10	Oct'12	Engineer (TG)
3x250 MW BONGAIGAON THERMAL POWER PROJECT			
Safety Engineer	Dec'09	Jul'11	Safety Engineer
Engineer (Boiler/Piping)	March'10	March'11	Engineer (Boiler/Piping)
Engineer (TG)	June'10	July'11	Engineer (TG)

**2. Following requirements are introduced in respect of Safety Engineer :**

- i. Scope of work under this area shall mainly comprise of supervising day to day safety aspects of the equipments and workmen/Employees of BHEL as well as those of sub-contractors'.
- ii. The Engineer shall ensure compliance with all health, safety & environment rules and codes of the BHEL/owner, relevant provisions of applicable laws pertaining to the safety of workmen, employees, plant and equipment as may be prescribed from time to time. In case of any non-conformity between statutory requirement and Safety Rules of the BHEL/owner referred above, the later shall be applicable unless the statutory provisions are more stringent.
- iii. The Engineer shall ensure compliance with HSE (Health, Safety & Environment) requirements/procedure/practices of BHEL at site. He will also ensure that applicable Operational Control Procedures (OCPs) in respective areas are being followed by BHEL/Sub-contractor.

- iv. The OWNER has got very exhaustive safety requirements which is to be followed during execution of the project. The safety engineer shall be responsible for compliance and implementation of the safety requirements as required by BHEL/OWNER.

**3.0 CL NO. 6.1 OF VOL-II IS MODIFIED & SHALL BE READ AS FOLLOWS:**

Field quality assurance engineers should be young energetic graduate engineers in mechanical engineering with minimum 3 years related job experiences or diploma engineers in mechanical engineering with minimum 5 years related job experiences (experience in 500 MW unit is preferable).

One Engineer must have valid Level –II certificates in RT/UT as approved by INST/ANST and experience in Radiography & Ultrasonic testing for respective site.

**4.0 CL NO. 7.0 OF VOL-II IS MODIFIED & SHALL BE READ AS FOLLOWS:**

The Contract period of field quality services for the scope of work is for a period of 40 (Forty) months for Barh & 23 (Twenty-Three) months for Bongaigaon from the respective date of letter of intent. However, this contract period for individual project may be extended (up to a maximum of another six months) at the same terms and conditions, at the same rates, at the discretion of BHEL.

Form for getting payment through RTGS (Real Time Gross Settlement)

01. Name of Vendor
02. Address
03. Vendors Bank A/c Name
04. Vendors Bank A/c No.
05. Name of Bank
06. Name of Branch
07. Branch Phone No.
08. City
09. IFSC Code of the Branch

The charges if any for the payment through RTGS may be recovered from the Bill submitted by us.

Signature of the Authorised  
Representative of Vendor with date & seal

Confirmation by Banker  
with office seal

Note : Incorrect information will create Accounting complications and payment will be delayed.

**BHEL:PSER**

FORMAT NO SP:03-F02, REV NO 01  
REF NO \_\_\_\_\_  
DATE \_\_\_\_\_

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**RATING/ EVALUATION OF SUBCONTRACTOR**  
**(CONFIDENTIAL, TO BE USED BY BHEL AND SHALL NOT TO BE USED BY VENDOR)**

REPORTING PERIOD: APRIL (YEAR) TO MARCH (YEAR)  
(1<sup>st</sup> report to be submitted on completion of 6 months from date of commencement of work or earlier, if required. Thereafter, successive report shall be sent in the month of March every year)

<b>A. GENERAL</b>							
1.0	Name of the subcontractor						
2.0	Nature of work	Boiler/ turbine/ C&I/ electrical/ civil/ transportation/ insulation/ SAS (Specify if any other)					
3.0	LOI/ WO/ PO no, date & value						
4.0	Scheduled completion						
5.0	Status of completion as in March 200_	(0-30%), (31% to 70%), (71% to 100 %)					
6.0	Expected completion						
	Reason for delayed completion attributable to subcontractor (List).						
6.1							
6.2							
6.3							
<b>B) CAPABILITY TO PERFORM</b>							
1.0	Provision of labour vis-a-vis contract requirement (specify major deficiencies).	01	02	03	04	05	
2.0	Management of labour (specify major deficiencies).	01	02	03	04	05	
NOTE: Please put "X" mark in the appropriate score box.							
3.0	Industrial relations at site (Specify strike periods if any by labour of the subcontractor).	01	02	03	04	05	
4.0	Quality of output of work. (Specify frequency of rework involved, if any, in no).	02	04	06	08	10	
5.0	Technical capability (Supervisory staff).	02	04	06	08	10	
6.0	Fulfillment of HSE requirements on						
6.1	Health check up for occupational diseases (for workmen).					Yes	No
6.2	HSE related training to workmen.					Yes	No
6.3	Compliance of usage of PPEs by workmen.					Yes	No
6.4	Illumination, noise, ambient air & drinking water facilities for workmen.					Yes	No
6.5	Provision of canteen, washing facilities & rest room (for employees working at night) for workmen.						
6.6	No of accidents.						
6.6.1	Fatal.						
6.6.2	Non-fatal.						
6.7	Provision of T&P including calibrated IMTE vis-à-vis contract requirements (Specify major deficiencies).	02	04	06	08	10	
6.8	Provision of consumables (Specify reasons for delays, if any).	02	04	06	08	10	
6.9	Provisions of funds for site operation.	01	02	03	04	05	
6.10	Payment of wages.	01	02	03	04	05	
6.11	Tendency to raise claims for extra work.	01	02	03	04	05	
6.12	Tendency to raise extra contractual claims.	01	02	03	04	05	
<b>C. OTHERS</b>							
1.0	Adherence to schedules (Specify shortfalls, if any).	01	02	03	04	05	
2.0	Co-operation with						
2.1	BHEL.	01	02	03	04	05	
2.2	Other subcontractor.	01	02	03	04	05	
2.3	Maintenance of BHEL provided T&P.	01	02	03	04	05	
2.4	Financial powers delegated to site.	01	02	03	04	05	

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<b>NOTE</b>	
(i)	In the above scales 01 denotes - Not satisfactory. 02 denotes - Fair. 03 denotes - Good. 04 denotes - Very Good. 05 denotes - Excellent.
(ii)	02 denotes - Not satisfactory. 04 denotes - Fair. 06 denotes - Good. 08 denotes - Very Good. 10 denotes - Excellent.
(iii)	Overall performance rating shall be given based on summation of individual points B & C.
(iv)	Point no B6 pertains to HSE. Indicate Yes/ No against each of the five parts (6.1 thru 6.6). "Yes" against one point will indicate 1 mark while "No" will indicate 0 marks. Addition of (6.1) to (6.6) will give the total marks to the sub-contractor for point no B6.
<b>EVALUATION OF SUBCONTRACTOR</b>	
Total score obtained.	
Overall performance.	Excellent/ Very Good/ Good/ Fair/ Not Satisfactory.
Excellent (80 - 100).	Performance better than expectation.
Very Good (60 - 79).	Performance satisfactory and in line with expectation.
Good (40 - 59).	Performance just satisfactory.
Fair (30 - 39).	Performance below satisfactory level but scope exists for improvement.
Not satisfactory (Below 30).	Not fit for such job.
Remarks	
(i)	Training recommended for subcontractor.
(ii)	Any other aspect requiring special mention (state briefly).
Date:	Signature _____  Name _____  Head of Operating Section _____  Designation _____ Site _____
Agreed to above.	
Signature of Site-in-charge _____ (Any disagreement at site needs to be resolved before forwarding of this report)	
Agreed/ not agreed to above.	
Signature of Head / PMX / SAS _____	
To: Head / SCT, PSER	

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

**PROVIDING FIELD QUALITY ASSURANCE & SAFETY SERVICES FOR MECHANICAL, BOILER & AUX, TG & AUX FOR FOR 2 X 660 MW BARH STPP STG-II PATNA , BIHAR & 3X250 MW BONGAIGAON THERMAL POWER PROJECT BONGAIGAON , KOKRAJHAR , ASSAM.**

**TENDER NO- PSER:SCT:BOB-Q:1043:09**

**PREAMBLE**

1	The tenderer should read this preamble carefully before filling in rates for various items. Clauses under this preamble shall be read in conjunction with Volume – I and Volume – II as applicable. All the activities as mentioned in complete tender shall be performed by contractor (successful bidder) within quoted/accepted rates as per this rate schedule. The tenderer shall be deemed to have studied the specifications and details of work to be done and have acquainted himself of the conditions prevailing at site. This preamble forms part of the tender
2	The work shall be carried out as per drawings, Quality plans, specifications, description of the items in this schedule and/or engineer's instructions/ Safety manual/ As per Safety regulation/ Safety codes etc. Drawings/ Quality plans, issued with tender documents are only preliminary for giving general idea of the work involved. Final drawings/quality plans will be issued progressively during the execution of the works.
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	Rate / PRICE schedule as per Vol-III, is given for total Group-wise man-month deployment covering requirement of various BHEL Project sites as indicated
5	The individual quantities shown against the various groups are approximate only and may vary to any extent or may be deleted altogether. The basic rates quoted /accepted shall remain firm for any decrease or increase in the individual quantities affecting up to +/- 30% of the total awarded value as given in LOI.
6	Unless specifically mentioned otherwise in the tender document, the tenderer shall quote for the finished items and shall provide for the complete cost towards carrying out different activities & tests, material, levies, taxes (except service tax), layout, supervisions, 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.
7	Quoted rates shall be inclusive of all taxes, duties etc., except service tax. Service tax (as applicable) shall be payable/reimbursable extra as per tender terms.
8	Rates shall be quoted both 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. Rates/price shall be quoted/mentioned in the price bid (separate sealed envelopes) only and nowhere else. No items should be left blank.
9	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	Only authorized persons of bidder having power should sign in the price bid. All the pages must be signed. For bid evaluation purpose (deciding L1), Grand total price summing Group A to Group H as mentioned in 'Summary sheet' of Rate /Price schedule below shall be considered.
11	All services item wise shall be measured upon and paid for the rates quoted and accepted.

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

**PROVIDING FIELD QUALITY ASSURANCE & SAFETY SERVICES FOR MECHANICAL, BOILER & AUX, TG & AUX FOR FOR 2 X 660 MW BARH STPP STG-II PATNA , BIHAR & 3X250 MW BONGAIGAON THERMAL POWER PROJECT BONGAIGAON , KOKRAJHAR , ASSAM.**

**TENDER NO- PSER:SCT:BOB-Q1043:09**

**SUMMARY SCHEDULE**

PART	DESCRIPTION OF WORK	TOTAL ( IN FIGURE & IN WORDS)
A	Providing services of Field Quality Assurance for Bolier, TG & PIPING & their Aux. etc and Safety service Engineers for 2x660 MW BARH SUPER THERMAL POWER PROJECT PATNA , BIHAR	
B	Providing services of Field Quality Assurance for Boiler, TG, Piping & their Aux. etc and Safety service Engineers for 3X250 MW BONGAIGAON THERMAL POWER PROJECT BONGAIGAON , KOKRAJHAR , ASSAM.	
C	GRAND TOTAL PRICE OF PART-A & PART-B IN RUPEES (IN FIGS & IN WORDS)	
<b>NOTE-</b>		
01	Bidder to note that total price for PART-C (GRAND TOTAL PRICE OF PART-A & PART-B) above will be taken into account for evaluation. However, Awarding will be done PROJECT WISE seperately on corresponding agreed price for individual project. As such, prices for Part -A & Part-B shall be complete in all respect for the full scope defined and in accordance with all terms and conditions of tender.	
02	In case, price indicated above under Part A & Part B do not match with further break-up given in relevant part of this price schedule, the highest price so calculated shall be considered for evaluation but in case of order, the same shall be placed at the lowest price.	

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

**PROVIDING FIELD QUALITY ASSURANCE & SAFETY SERVICES FOR MECHANICAL, BOILER & AUX, TG & AUX FOR FOR 2 X 660 MW BARH STPP STG-II PATNA , BIHAR & 3X250 MW BONGAIGAON THERMAL POWER PROJECT BONGAIGAON , KOKRAJHAR , ASSAM.**

**TENDER NO- PSER:SCT:BOB-Q1043:09**

**RATE SCHEDULE-PART "A" FOR 2 X 660 MW BARH STPP STG-II PATNA , BIHAR**

GROUP	DESCRIPTION OF WORK	QTY	UNIT	UNIT RATE IN Rs.	TOTAL ( IN FIGURE & IN WORDS)
a	b	c	d	e	f = c x e
	Providing services of Field Quality Assurance Engineers for the different working areas as per the scope detailed in the tender Document				
<b>A</b>	<b>FOR SAFETY</b>				
	ENGINEER	33	MAN-MONTH		
<b>B</b>	<b>FOR BOILER &amp; PIPING ERECTION</b>				
	ENGINEER	28	MAN-MONTH		
<b>C</b>	<b>FOR TG &amp; AUX. ERECTION</b>				
	ENGINEER	24	MAN-MONTH		
<b>D</b>	<b>TOTAL PRICE OF ALL GROUPS (GR-A- + GR-B + GR-C ) IN RUPEES (IN FIGS &amp; IN WORDS)</b>				
<b>NOTE</b>					
1	Total price as indicated above should match with total price quoted at PART-A of SUMMARY SCHEDULE .				
2	Any item as per scope of work if not included in the price quoted above and shown separately will not be taken into cognizance and the offer shall be liable for rejection.				

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

**PROVIDING FIELD QUALITY ASSURANCE & SAFETY SERVICES FOR MECHANICAL, BOILER & AUX, TG & AUX FOR FOR 2 X 660 MW BARH STPP STG-II PATNA , BIHAR & 3X250 MW BONGAIGAON THERMAL POWER PROJECT BONGAIGAON , KOKRAJHAR , ASSAM.**

**TENDER NO- PSER:SCT:BOB-Q:1043:09**

**RATE SCHEDULE-PART "B"3X250 MW FOR BONGAIGAON TPP , KOKRAJHAR , ASSAM.**

GROUP	DESCRIPTION OF WORK	QTY	UNIT	UNIT RATE IN Rs.	TOTAL ( IN FIGURE & IN WORDS)
a	b	c	d	e	f = c x e
	Providing services of Field Quality Assurance Engineers for the different working areas as per the scope detailed in the tender Document				
<b>A</b>	<b>FOR SAFETY</b>				
	ENGINEER	23	MAN-MONTH		
<b>B</b>	<b>FOR BOILER &amp; PIPING ERECTION</b>				
	ENGINEER	13	MAN-MONTH		
	<b>FOR TG &amp; AUX. ERECTION</b>				
<b>C</b>	ENGINEER	13	MAN-MONTH		
<b>D</b>	<b>TOTAL PRICE OF ALL GROUPS (GR-A- + GR-B + GR-C ) IN RUPEES (IN FIGS &amp; IN WORDS)</b>				
<b>NOTE</b>					
1	Total price as indicated above should match with total price quoted at PART-B of SUMMARY SCHEDULE .				
2	Any item as per scope of work if not included in the price quoted above and shown separately will not be taken into cognizance and the offer shall be liable for rejection.				