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TENDER SPECIFICATIONS

TENDER NO. BHEL: NR(SCT): SURATGARH -6:BLR & MM:391

FOR

Erection, testing, commissioning and trial operation of Boiler Part - A and Part - B including Material Handling work for the entire plant packages of 1 x 250 MW coal based unit # 6, Stage – IV at Suratgarh Thermal Project (SSTPS), Distt. Sri Ganganagar, Rajasthan.

PART II – PRICE BID



**Bharat Heavy Electricals Limited
(A Govt. Of India Undertaking)
Power Sector – Northren Region,
Plot No. 25 , Sector - 16A ,
Distt. Gautam Budh Nagar, NOIDA – 201 301 (INDIA)**



ISO 9001-2000, ISO 14001 and
OHSAS 18001 certified
company
SubContract and Purchase
Deptt.

Bharat Heavy Electricals Limited
(A Govt. Of India Undertaking)
Power Sector – Northren Region,
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IMPORTANT NOTE

PURCHASER OF THIS TENDER DOCUMENT IS ADVISED TO CHECK AND ENSURE COMPLETION OF ALL PAGES OF TENDER DOCUMENT AND REPORT ANY DISCREPANCY TIMELY FOR CORRECTIVE ACTION, IF ANY, TO THE ISSUING AUTHORITY BEFORE THE BIDS ARE SUBMITTED. ORIGINAL COPY OF TENDER DOCUMENT COMPLETE IN ALL RESPECTS MUST BE SUBMITTED BACK AS PART OF THE BID WITHOUT WHICH THE SAME IS LIABLE TO BE REJECTED BY BHEL.

THIS TENDER SPECIFICATION ISSUED TO:

M/S-----

RATE SCHEDULE

TENDER NO. BHEL: NR(SCT): SURATGARH -6:BLR & MM:391

PART 'A'
(Boiler Part A)**I. Rates For Erection Testing & Commissioning Of Boiler, Piping & insulation etc.****(FOR PART 'A' & PIPING SYSTEMS)**

Sl. No	DESCRIPTION OF WORK	Rate in Rupees (In figures and words)	TOTAL VALUE in Rupees (In figures and words)
	BOILER PART 'A' WORKS		
1	Rate in Rupees per MT for handling, erection, testing, commissioning, trial operation and handing over of 1 x 250 MW Boiler (for BOILER PART 'A' work as detailed in Annexure-I) including auxiliaries etc as per tender specifications. (Approx. tonnage involved is 7,400 MT as per Annexure- I)		
2	Rate in Rupees per MT for handling, erection, testing, commissioning, trial operation and handing over of Piping systems for 1 x 250 MW Boilers as per tender specifications (Approx. tonnage involved is 850 MT including its insulation as per Annexure- I)		
2a	All Piping systems Except of P91 material (Approx. tonnage involved is 740 MT as per Annexure- I)		
2b	All Piping systems of P91 material (Approx. tonnage involved is 110 MT as per Annexure- I; Welding consumables shall be as per SCC cl. 36.4)		

3	<p>Differential Rate in Rupees per Joint for Welding , HT ,RG and NDT for T91 Joints in Boiler (extra rate over and above the rate covered at sl no 1 of Rate Schedule) (Approx Joints involved are 500 nos)</p>		
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NOTES:

1. The quantities indicated against each item above are tentative and these are liable to vary depending upon the site requirement. The contractor has to handle / erect / commission all items indicated by BHEL Engineer for achieving unit wise milestone and completion of work.
2. PLEASE NOTE THAT RATE SCHEDULE FOR PART-A AND PART-B ARE TO BE SUBMITTED IN SEPARATE SEALED ENVELOPS, AS PER RATE SCHEDULE. REFER CLAUSE- 56.3 (RATE SCHEDULE)
3. Only 'Unit Rate' shall be considered for evaluation and award.
4. The rate shall be entered in figures as well as in words. In case of difference in rates between words and figures, the lesser of the two will be treated as valid rate.
5. In case of omission in quoting any rate, the evaluation will be done considering the highest quoted rate obtained against that item. But the work, if awarded, will be on the lowest quoted rate obtained against that item.
6. The contractor while quoting the price / rates as above, categorically confirms having understood the fullest implications of the price escalation provisions contained in clause 50.0 of this tender. Accordingly, taking into considerations all aspects thereof, quoted the above rates. Further the contractor confirms that he will not come up with any other claim / compensation on account of any increase whatsoever during entire period of execution including extended period, if any.

(Seal and Signature of Tenderer)

RATE SCHEDULE

TENDER NO. BHEL: NR(SCT): SURATGARH -6:BLR & MM:391

PART 'B'**(BOILER PART – B INCLUDING MATERIAL HANDLING)****I. Rates For Erection Testing & Commissioning Of Boiler PART 'B' equipments & insulation etc. and material handling works.**

Sl. No	DESCRIPTION OF WORK	Rate in Rupees (In figures and words)	TOTAL VALUE in Rupees (In figures and words)
1	Rate in Rupees per MT for handling, erection, testing, commissioning, trial operation and handing over of 1 x 250 MW Boiler (for BOILER PART 'B' work as detailed in Annexure-I) including insulation and auxiliaries etc as per tender specifications for part B (Approx. tonnage involved is 7,220 MT as per Annexure- I)		

II. Rates for Material Handling work**(A) MAIN RATES**

Sl.No	DESCRIPTION OF WORK	Unit Rate & Total value in Rupees (In figures and words)
2	Rate in Rupees per MT for entire scope of work of material handling as defined in this tender specification in respect of all items (except Boiler Drum Generator Stator and Generator Transformer) from Railway Wagons at power plant siding of RVUNL. (Approx. weight to be handled 10,000 MT)	
3	Rate in Rupees per MT for entire scope of work of material handling as defined in this tender specification in respect of all items (except Boiler Drum Generator Stator and Generator Transformer) from Trucks / Trailers and other vehicles directly coming to	

	<p>site / store sheds / storage.</p> <p>(Approx. weight to be handled 4,500 MT)</p>	
4	<p>Rate in Rupees per MT for entire scope of work of material handling as defined in this tender specification in respect of all items already received at site prior to commencement of work contract excluding unloading from Trucks / Trailers and other vehicles directly received at site / store sheds / storage which may involve reshifting /restacking etc.</p> <p>(Approx. weight to be handled 3,000 MT)</p>	
5	<p>Lump sum price for entire scope of work as defined in this tender specification in respect of following items from Railway Wagons / Trailor directly coming to site and unloaded MANUALLY (by sleeper / jack method).</p>	<p>LUMPSUM PRICE FOR EACH ITEM</p>
5.1	<p>To unload Generator stator of approximate size 7520x4200x4770 and weight 218 MT (appx.)</p>	
5.2	<p>Generator Transformer of approximate size 7850 X3600 X4100 and weight 180 MT (appx.)</p>	
5.3	<p>Boiler Drum Approximate weight: 133 MT</p>	

B) OPTIONAL RATE FOR MATERIAL HANDLING WORK

SI.No	Description of Work	Rate in Rupees (In figures and words)
6	<p>Loading of materials including packing (if required) in their own Trucks / Trailers and transporting it to Carriers Godown / Railway Station at following locations & booking of the same to destination as per instructions of the Engineer.</p> <p>SURATGARH Rate in Rs. Per MT</p> <p>Minimum rate per trip</p> <p>BIRTHWAL Rate in Rs. Per MT</p> <p>Minimum rate per trip</p>	
7	<p>Rate in Rs. per MT for collecting and loading of materials including packing (if required) in carriers Trucks / Trailers (to be placed by Carriers) at the plant stores/ project area for despatch of material.</p>	
8	<p>For scope of work as defined in this tender in respect of all items (except Boiler Drum and Generator Stator) for taking delivery of materials in their own Trucks / Trailers from</p> <p>a) Godowns of Carriers, parcels / goods office of Railways at Suratgarh & bringing the same to BHEL store.</p> <p>Rate in Rs. Per MT</p> <p>Minimum rate per trip</p> <p>b) a) Godowns of Carriers, parcels / goods office of Railways at Birthawal & bringing the same to BHEL store.</p> <p>Rate in Rs. Per MT</p> <p>Minimum rate per trip</p>	

NOTES:

1. The quantities indicated against each item above are tentative and these are liable to vary depending upon the site requirement. The contractor has to handle / erect / commission all items indicated by BHEL Engineer for achieving unit wise milestone and completion of work.
2. PLEASE NOTE THAT RATE SCHEDULE FOR PART-A AND PART-B ARE TO BE SUBMITTED IN SEPARATE SEALED ENVELOPS, AS PER RATE SCHEDULE. REFER CLAUSE- 56.3 (RATE SCHEDULE)
3. Only 'Unit Rate' shall be considered for evaluation and award.
4. The rate shall be entered in figures as well as in words. In case of difference in rates between words and figures, the lesser of the two will be treated as valid rate.
5. In case of omission in quoting any rate, the evaluation will be done considering the highest quoted rate obtained against that item. But the work, if awarded, will be on the lowest quoted rate obtained against that item.
6. Rates against item no 5.1, 5.2 & 5.3 will be applicable only when the material is unloaded Manually by using own sleeper / jack method. In case material is unloaded using BHEL's 75 /100 / 150 / 200 / 250 MT cranes or EOT CRANE, the payment shall be released as per quoted rate against Item no 2.
7. Items covered in above Sl. Nos. 6, 7, and 8 are optional rates and shall not be considered for evaluation of tender.
8. The contractor while quoting the price / rates as above, categorically confirms having understood the fullest implications of the price escalation provisions contained in clause 50.0 of this tender. Accordingly, taking into considerations all aspects thereof, quoted the above rates. Further the contractor confirms that he will not come up with any other claim / compensation on account of any increase whatsoever during entire period of execution including extended period, if any.

(Seal and Signature of Tenderer)