

TENDER SPECIFICATION

NO: BHE/PW/PUR/DHJOI-MISC CVL/1222

Fabrication & Erection of Silencer support structures, cross-over, walkway, operating platform around various equipment and other misc.structures at all elevations.

AT

2X30MW STG + 4GTG WITH HRSG + 2 UB AT OPAL, DAHEJ- BHARUCH, GUJARAT

VOLUME- II-PRICE BID SPECIFICATION

TENDER SPECIFICATIONS CONSISTS OF:

- Notice Inviting Tender
- Volume 1 A - Technical Conditions of Contract,
- Volume 1 B - Special conditions of Contract,
- Volume 1 C - General conditions of Contract
- Volume 1 D - Forms & Procedures



Bharat Heavy Electricals Limited
(A Government of India Undertaking)
Power Sector - Western Region
345-Kingsway, Nagpur-440001

BHARAT HEAVY ELECTRICALS LIMITED

(A GOVERNMENT OF INDIA UNDERTAKING)
POWER SECTOR - WESTERN REGION
SHREEMOHINI COMPLEX
345, KINGSWAY - NAGPUR 440 001

T E N D E R S P E C I F I C A T I O N

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EARNEST MONEY DEPOSIT: Please see Notice Inviting Tender.

LAST DATE FOR: Please see Notice Inviting Tender.

TENDER SUBMISSION:

THESE TENDER SPECIFICATION DOCUMENTS CONTAINING **VOLUME-I-Tech Bid**, **VOLUME- II-Price Bid** AND **VOLIME-IBCD Rev-01 Rev-01** ARE ISSUED TO:

M/s.

PLEASE NOTE:

THESE TENDER SPECS DOCUMENTS ARE NOT TRANSFERABLE.

For Bharat Heavy Electricals Limited

AGM (Purchase)

Place: Nagpur

Date:

BHEL PSWR NAGPUR
T.S.NO. BHE/PW/PUR/DHJOI-MISC CVL/1222
VOLUME-II-PRICE BID

PRICE BID OF 200 MT STEEL STRUCTURE AT OPAL DAHEJ SITE

Item no	Description of Items	Unit	Quantity	Rate in figures (In Rs)	Rate in words (In Rs)	Total Amount (In Rs)
804	Providing & grouting of pocket holes, pipe sleeves and under base plates of structural steel work/ machinery/ pipe supporting structures including roughening of surface, cleaning, ramming, curing etc. all complete with ConbextraGP-1 or equivalent. (Cost of all material and cleaning of the pockets by compressed air shall be in the scope of the contractor).	Cum	5			
2300	Structural steel works including all labour, material (other than BHEL supplied materials), equipments, transportation, handling etc. at any level as per specification, drawings and as directed by engineer - in - charge.					
2301	Taking delivery of steel from BHEL stores/store yard, loading , transportation, unloading, Fabrication and erection of structural steel with mild steel rolled section / built up section / combination of both conforming to IS:2062, pipes conforming to IS:1161/ IS:1239, chequered plate conforming to IS: 3052, mild steel rounds, monorails, stays, safety chains, ladders, MS grating etc. in columns, beams, gantry girders, bunkers, silos, hoppers, roof trusses, portals, laced purlins, space frames, hangers, struts, monorails, galleries, stiffeners, wall beams, sheeting runners, brackets, stub columns, bracings, cleats, trestles, base plates, splice plates, chequered plate flooring, decking and seal plates, steel frame grid over false ceiling, walkway platforms, ladders, stairs, stringers, treads, landings etc connection design & preparation of fabrication drgs, collection of steel from stores, fabrication, straightening, cutting, bending, rolling, grinding, machining, drilling, welding, electrodes and other consumables, alignment, erection bolts & nuts (weight of erection bolts, nuts and welds not payable), assembly, edge preparation, preheating (min preheat and interpass temperature of 20o C for welding over 20 mm and up to 40 mm & 66o C for welding over 40 mm and up to 63 mm & 110o C for thickness over 63 mm & use of low hydrogen/ radiogenic electrodes), post heating, testing of welders, inspection of welds, visual inspection, non destructive and special testing like UT, RT, DPT, rectification and correction of defective welding works, production test plate, inspection and testing, erection scheme, protection against damage in transit, stability of structures..... contd					

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Item no	Description of Items	Unit	Quantity	Rate in figures (In Rs)	Rate in words (In Rs)	Total Amount (In Rs)
contd installation of temporary structures, setting column bases, surface preparation by means of Shot blast cleaning of steel structures to near white metal surface (Sa 2 1/2) using abrasive like copper slag/AL2O3 particle/iron chips including supply & application of Inorganic Zinc Silicate Primer Paint at Shop (1st Coat) of 65-75 micron all complete as per EIL spec No 6987-0642-PT-F09, Clause No 8.2 of Table No 8.0, dismantling and removal of all temporary structures (weight of temporary structures not payable), return of surplus / waste steel materials to store etc, including appointment of a separate agency, approved by BHEL, for review and approval of fabrication drgs, in consultation with BHEL. All complete as per customer Specifications : Cl.no. 9.0 of Doc. no. 6987-00-16-48-DB01 of Section C 3.6, Cl.no. 3.7 of Doc. no. 6987-046-16-48-JS-01 (Part-A) of Section C 4.6, Cl.no.4.6.3 of Doc. no. 6987-046-16-48-JS-01 (part-A) of Section C 4.6 & Cl.no.3.6.5 of Doc. no. 6987-046-16-48-JS01 (part-B) of Section C 4.6					
a)	Fabrication	MT	200			
b)	Erection, alignment and welding	MT	200			
2302	Providing & applying chlorinated rubber based zinc phosphate paint in a coat of minimum 40 micron (DFT) as an Intermediate coat after erection over the structural steel already having inorganic zinc silicate primer including touch-up painting etc all complete. as per EIL spec. no. 6987-0642-PT-F09, clause 8.2 of table no 8.0	MT	200			
2303	Providing and applying two coats of Chlorinated rubber finish paint with minimum 40 micron (DFT) each of approved make and shade to achieve an even shade over steel sections already having primer coat & intermediate coat as as to achieve overall DFT not less than 185 microns including protection and cleaning, scaffolding etc. all complete as per customer Specifications : Clause no. 1.0-k of Doc. no. 6987-046-16-48-SP01 of section C 1.8 & EIL standard specification 6987-0642-PT-F09	MT	200			

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Item no	Description of Items	Unit	Quantity	Rate in figures (In Rs)	Rate in words (In Rs)	Total Amount (In Rs)
2320	Supply, fabrication and fixing of GI pipe hand railing (900 mm high) of 32 mm/40 mm dia (Medium Grade) including transportation, loading/unloading, painting etc. all complete as per EIL standard Specifications : 7-68-0501 Rev05	RM	100			
GRAND TOTAL (In Rs)						
IN WORDS Rs. ONLY						