

TENDER SPECIFICATION BHEL
BHEL:PSSR: ENR-SEZ:2024-25: SCT:109

FOR

**Structural Fabrication, Erection and Handing Over of
CHP/AHP balance works at BHEL/ 2x660MW Ennore SEZ
STPP, Minjur, Ponneri Taluk, Tamil nadu 601203**

**PRICEBID
VOLUME –II**

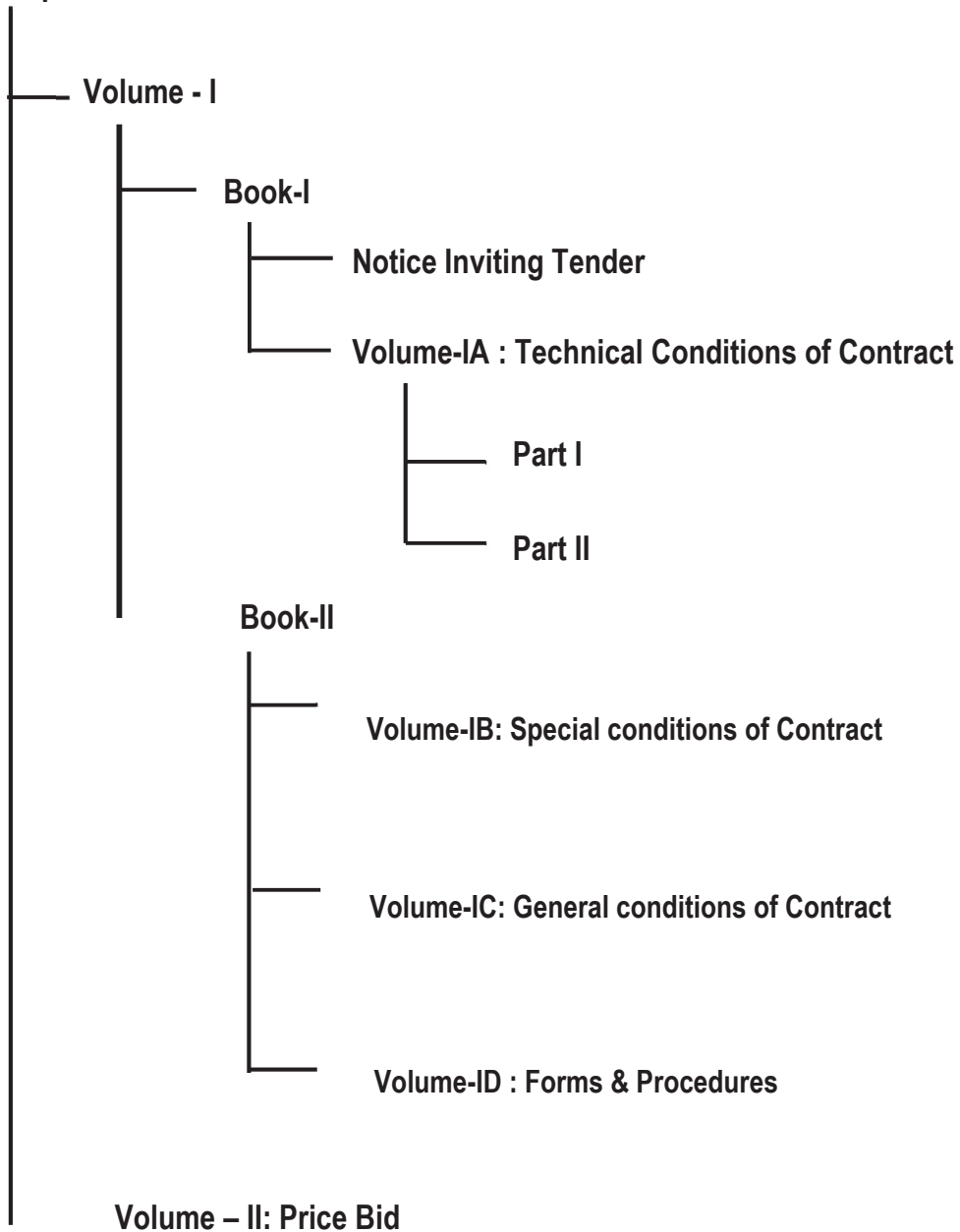


BHARAT HEAVY ELECTRICALS LIMITED

(A Government of India Undertaking)
Power Sector – Southern Region
2X660 MW ENNORE SEZ STPP,
VOYALUR PO, MINJUR, PONNERI TALUK

TENDER SPECIFICATION CONSISTS OF

Tender Specification



NOTICE FOR INVITING TENDER

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Part B : Format for total amount (Enclosed as a separate Excel File in BHEL NIC e-Procurement portal for the subject tender)	(Separate Excel File)
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NOTICE FOR INVITING TENDER

PART A Instruction to Bidders:

1. The quantity indicated in the BOQ in Part C of Price Bid is approximate only and is liable for variation. Payment will be as per actual quantity executed and as certified by BHEL Engineer.
2. Tenderers are requested to affix their company seal and authorized signature in all pages.
3. Bidders shall quote 'Total Amount' in the format enclosed as a separate Excel File in BHEL NIC e-Procurement portal for the subject tender and upload the same under 'Packet details - > Tender covers -> Finance '(Cover Type Description – Price Bid)'' and same shall be taken into account for evaluation and awarding and hence, shall be complete in all respect for the full scope of work defined in specification and in accordance with terms & conditions of the tender. Any other entry elsewhere in the price bid shall be treated as Null and Void. Quoting of rates in any other form/formats will not be entertained.
4. The above mentioned 'Total amount' is for the entire Bill of Quantity (BOQ) given in Part -C of the Price Bid.
5. BHEL has pre-fixed the weightages for the amount of individual items of Bill of Quantity with respect to the 'Total Amount' in Part C of Price Bid.
6. Based on the pre-fixed weightages, the amount for the individual items of the Bill of Quantity shall be arrived at. This amount shall be rounded off to the nearest rupee.
7. Based on the quantities of individual item and the amount arrived in Sl. No: 6 above, unit rate of individual items shall be derived. This unit rate shall be rounded off to four decimal places.
8. Bidders to note that this is an item rate contract. Payment shall be made for the actual quantities of work executed as certified by BHEL Engineer.

Part C : Bill of Quantities					
<u>Tender Specification for Structural Fabrication, Erection and Handing Over of CHP/AHP balance works at BHEL/ 2x660MW Ennore SEZ STPP, Minjur, Ponneri Taluk, Tamil nadu 601203</u>					
Sl. No	Items No	Description of work	Unit of Measurement	QTY	Weightage for amount of each item (Nearest to the 7 decimal points) w.r.t the total amount
1	2301	Transportation from BHEL stores, 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, hand-rails etc including 2 coats of redoxide zinc-chromate primer (one coat at shop and one coat after erection), 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 200 C for welding over 20	—		

SIGNATURE OF BIDDER WITH SEAL

Part C : Bill of Quantities					
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Sl.	Items	Description of work	Unit of	QTY	Weightage for amount of
		mm and upto 40 mm & 660 C for welding over 40 mm and upto 63 mm & 1100 C for thickness over 63 mm & use of low hydrogen/ radiogenic			
	2301 b	Fit-up/Fabrication, Erection, Alignment & welding, scrap cutting and completion of work	MT	1562.00	0.7813346
2	2302	Extra over ST NO. 2301 for blast cleaning of steel structures to near white metal surface(Sa 2 1/2) as per SIS 05-5900 and applying 100 micron total DFT zinc silicate primer(two coats of 50 mm DFT each), instead of two coats of primer of red oxide zincchromate, including touch-up painting etc all complete.	MT	1862.00	0.0788088
3	2305	Providing and applying two coats of high built epoxy based colour Finish paint of approved brand with minimum 90 micron Dry film thickness of each finish coat including protection and cleaning, scaffolding etc. all complete.	—		
	(i)	Providing and applying First coat of high built epoxy based colour Finish paint of approved brand with minimum 90 micron Dry film thickness of each finish coat including protection and cleaning, scaffolding etc. all complete.	MT	1862.00	0.0477096
	(ii)	Providing and applying Second coat of high built epoxy based colour Finish paint of approved brand with minimum 90 micron Dry film thickness of each finish coat including protection and cleaning, scaffolding etc. all complete	MT	1862.00	0.0477098

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Sl.	Items	Description of work	Unit of	QTY	Weightage for amount of
4	23XX	Cladding and Roof sheet Laying	Sq.M	3200.00	0.0444371
Total Weightage					1.000000