

TENDER SPECIFICATION

BHEL PSSR SCT 1880

FOR

Erection, Testing and Commissioning of Power Cycle Piping and all associated Piping & Insulation works including handling at site stores / storage yard, transporting to site, inspection, pre-assembly, erection, alignment, welding, NDT, fixing of hangers & supports, chemical cleaning / pickling, oil flushing, water flushing, hydro testing & steam blowing, surface finish, supply & application of primer & finish paints and application of refractory & insulation works as per requirement / as given in the drawings including labeling & flow direction on the piping / over insulation & hangers and supports, pre-commissioning, commissioning, trial operation & handing over to customer and supply & application of final painting, etc. for both Unit-1 & Unit-2

at

**2X660MW Ennore SEZ Supercritical Thermal Power Project,
Ash Dyke of NCTPS, TAMIL NADU**

PRICE BID

VOLUME –II



BHARAT HEAVY ELECTRICALS LIMITED

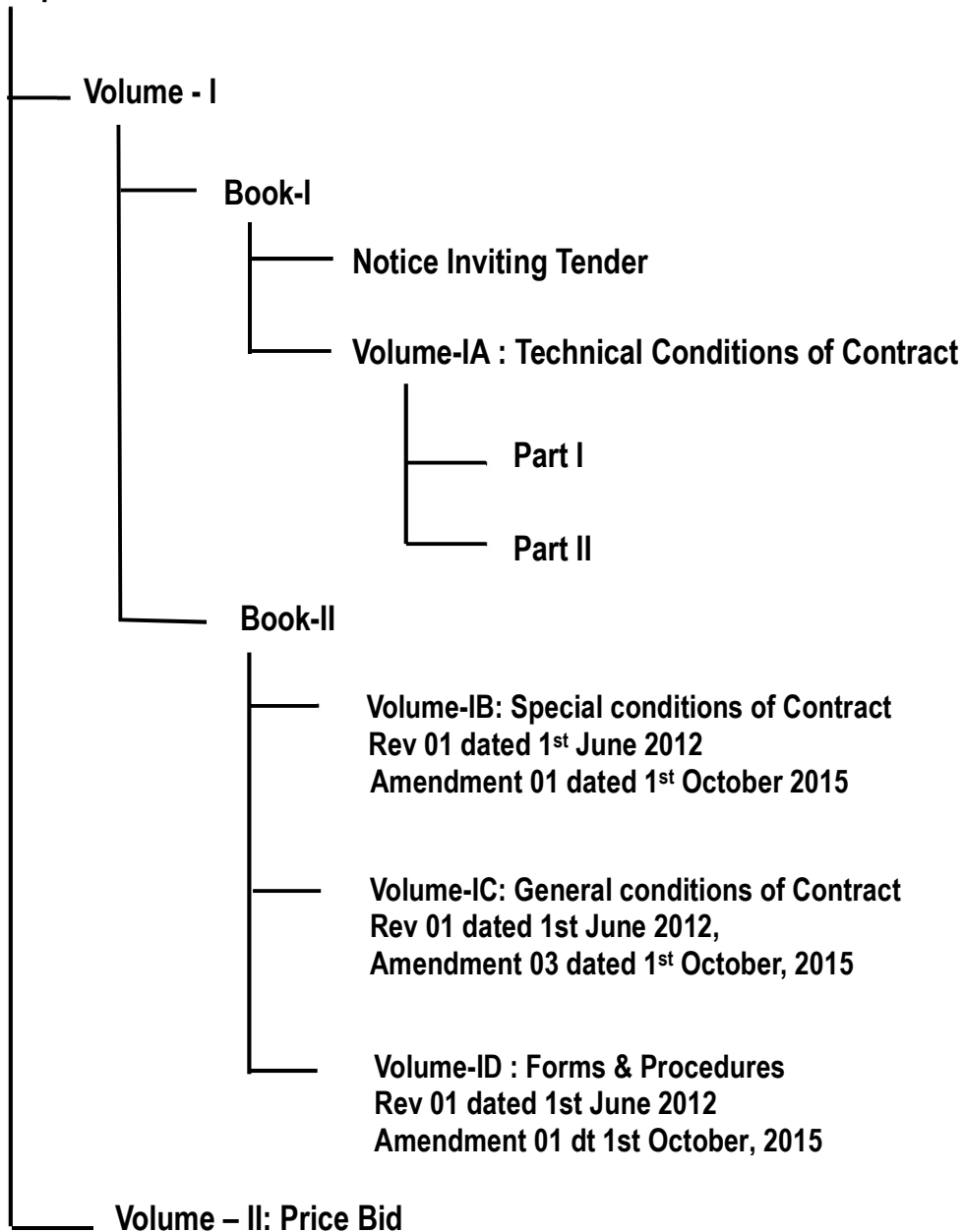
(A Government of India Undertaking)

Power Sector – Southern Region

690, Anna Salai, Nandanam, Chennai – 600 035

TENDER SPECIFICATION CONSISTS OF

Tender Specification



PRICE BID

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PART A

Instruction to Bidders:

1. The quantity indicated in the BOQ / Price bid (Part C) is approximate only and is liable for variation. Payment will be as per actual quantity executed as certified by BHEL Engineer.
2. Price Bid is to be quoted by the bidder and the successful bidder against this quote will be awarded the contract.
3. Bidders shall quote 'Total Amount' in the format for Price Bid available in the E-procurement portal.
Bidders may also quote 'Total Amount' in the format given in Part -B of this document (Optional).
Any other entry elsewhere in the price bid shall be treated as Null and Void.
4. The above mentioned 'Total amount' is for the entire Bill of Quantity (BOQ) given in Part –C of the Price Bid.
5. The quantities given in the price bid are tentative and may change to any extent (both in plus side and minus side). The derived item rates (as mentioned above) for individual items shall remain firm irrespective of any variations in the individual quantities
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 at the unit rate arrived at as per Sl No.8 above.

Part B: Format to quote Total Amount

**Tender Specification BHEL:PSSR:SCT:1880 for Power Cycle Piping/Critical Piping/Piping in case of CCP/Nuclear PP
at 2 X 660 MW Ennore SEZ Supercritical Thermal Power Project at Ash Dyke of NCTPS**

Total Amount for the entire Bill of Quantities(BOQ) given in Part C

In Figures

In words

Note :

Bidders to quote Total Amount in this format given above, which shall be taken into account for evaluation and awarding and hence, shall be complete in all respect for the full scope defined in specification and in accordance with all terms & conditions of tender.

Date

SIGNATURE OF BIDDER WITH SEAL

Part C : Bill of Quantities

**Tender Specification BHEL:PSSR:SCT:1880 for Power Cycle Piping/Critical Piping/Piping in case of CCP/Nuclear PP
at 2 X 660 MW Ennore SEZ Supercritical Thermal Power Project at Ash Dyke of NCTPS**

Ref.No.	Description	Unit of Measurement	Qty.	Weightage for amount of each item (Nearest to the 7 decimal points) w.r.t the total amount
--	Erection, Testing and Commissioning of Power Cycle Piping and all associated Piping & Insulation works including handling at site stores / storage yard, transporting to site, inspection, pre-assembly, erection, alignment, welding, NDT, fixing of hangers & supports, chemical cleaning / pickling, oil flushing, water flushing, hydro testing & steam blowing, surface finish, supply & application of primer & finish paints and application of refractory & insulation works as per requirement / as given in the drawings including labeling & flow direction on the piping / over insulation & hangers and supports, pre-commissioning, commissioning, trial operation & handing over to customer and supply & application of final painting, etc. for both units (Unit-1 & 2) of 2X660MW Ennore SEZ Supercritical Thermal Power Project at Ash Dyke of NCTPS, Tamilnadu.	--		
1A	P91 Piping	MT	1,496.96	.2706084
1B	HP Piping	MT	2,874.46	.367522
1C	LP Piping	MT	1,410.95	.1429429
1D	SS Piping	MT	26.7	.0053358
1E	Hangers and Supports including Tanks, Vessels, Pumps, etc	MT	1,473.35	.1097623
2A	Temporary Piping for Chemical Cleaning	MT	248.04	.0165308
2B	Temporary Piping for Steam Blowing	MT	234.3	.0160145
3A	Fixing components	MT	64.18	.0047784
3B	Mineral wool	MT	861.79	.0485907
3C	Aluminium Sheets	MT	206.91	.0179142

Part C : Bill of Quantities

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at 2 X 660 MW Ennore SEZ Supercritical Thermal Power Project at Ash Dyke of NCTPS**

Ref.No.	Description	Unit of Measurement	Qty.	Weightage for amount of each item (Nearest to the 7 decimal points) w.r.t the total amount
TOTAL Weightage				1.0