

**TENDER SPECIFICATION
BHEL PSSR SCT 2033**

FOR

**Erection, testing, commissioning, trial run and
handing over of the Mechanical works of FGD
system at 2X500 MW NTPL Tuticorin.**

**PRICE BID
VOLUME –II**



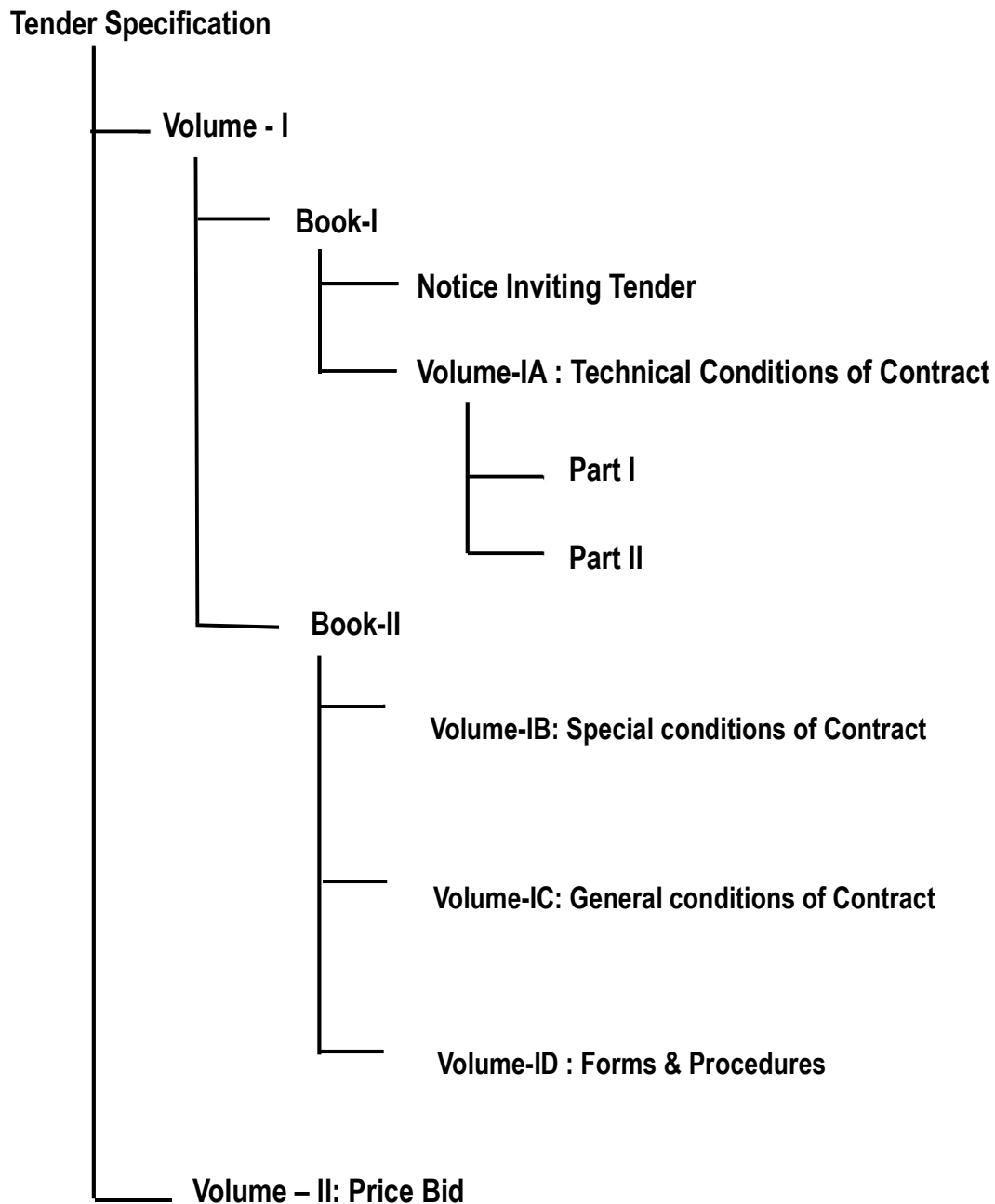
BHARAT HEAVY ELECTRICALS LIMITED

(A Government of India Undertaking)

Power Sector – Southern Region

690, Anna Salai, Nandanam, Chennai – 600 035

TENDER SPECIFICATION CONSISTS OF



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. 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.
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 SI 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 SI No.7 above.

Part C : Bill of Quantities

Tender Specification BHEL:PSSR:SCT:2033 for Erection, testing, commissioning, trial run and handing over of the FGD system (Mechanical) as per the tender specifications. FGD system consists of mainly E & C of Ducts (Tap off from Existing Flue gas duct, Duct from Absorber to Chimney inlet & Duct inside chimney till flue cane connection), Absorber tower along with oxidation blowers, Booster fans, Lime stone grinding and slurry preparation system consist of Wet ball mills, Lime stone silos, Slurry pumps, Gypsum dewatering system, Various Tanks and associated piping and also other auxiliaries i.e. Fire protection system, Equipment cooling water system (ACW and ECW pumps) etc.at 2X500 MW NTPL FGD TUTICORIN SITE.

at NTPL Tuticorin (2X500MW) FGD

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, commissioning, trial run and handing over of the FGD system (Mechanical) as per the tender specifications. FGD system consists of mainly E & C of Ducts (Tap off from Existing Flue gas duct, Duct from Absorber to Chimney inlet & Duct inside chimney till flue cane connection), Absorber tower along with oxidation blowers, Booster fans, Lime stone grinding and slurry preparation system consist of Wet ball mills, Lime stone silos, Slurry pumps, Gypsum dewatering system, Various Tanks and associated piping and also other auxiliaries i.e. Fire protection system, Equipment cooling water system (ACW and ECW pumps) etc.at 2X500 MW NTPL FGD TUTICORIN SITE.	--		
1A	Structure	MT	3,610.2	.3793227
2A	Non Pressure Parts/Ducts/Dampers	MT	2,845.3	.2691706
3A	Rotation Machines	MT	1,003.76	.0756677
4A	Fabrication of Segments & Structural items for various Tanks	MT	590.53	.0631745
4B	*Erection of Tanks including Structural items & hydro cyclones and other miscellaneous items	MT	721.22	.0775931
5A	Mineral Wool	MT	191.4	.0152
5B	Fixing Component	MT	76.6	.0096414
5C	Aluminium Sheet & Sealing Compound	MT	90	.0110862

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at NTPL Tuticorin (2X500MW) FGD

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
6A	CS Pipes	MT	448.22	.0811714
6B	SS Piping	MT	40	.0152089
7A	Removal and disposal of insulation & duct from existing FG duct to chimney	MT	50	.0027633
TOTAL Weightage				1.0