

# **TENDER SPECIFICATION**

## **BHEL PSSR SCT 2135**

**for**

**Erection, testing, commissioning, trial run and handing over of the FGD system (Mechanical) as per the tender specifications for FGD Systems consisting of Unit#3, Unit#4 and Unit#5 and related auxiliaries at 5X800 MW Yadadri Thermal Power Station**

## **VOLUME –II**

## **PRICE BID**



### **BHARAT HEAVY ELECTRICALS LIMITED**

**(A Government of India Undertaking)**

**Power Sector – Southern Region**

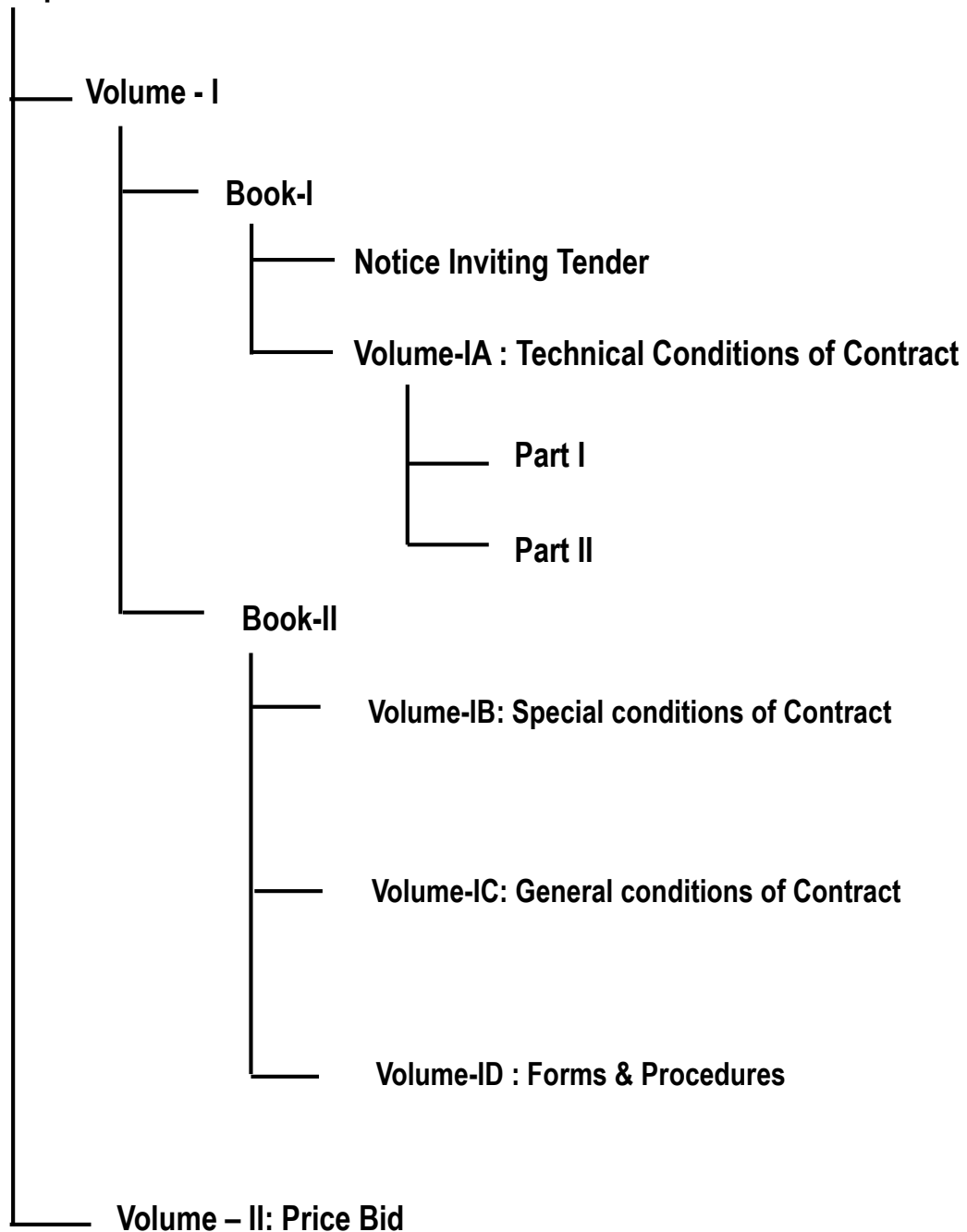
**BHEL Integrated Office Complex,**

**TNEB Road, Pallikaranai,**

**Chennai - 600100**

**TENDER SPECIFICATION CONSISTS OF**

**Tender Specification**



## PRICE BID

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### **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

**Tender Specification for Erection, testing, commissioning, trial run and handing over of the FGD system (Mechanical) as per the tender specifications for FGD Systems consisting of Unit#3, Unit#4 and Unit#5 and related auxiliaries at 5X800 MW Yadadri Thermal Power Station.**

**at 5 X 800 MW Yadadri TPS**

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
1.0	Erection, testing, commissioning, trial run and handing over of the FGD system (Mechanical) as per the tender specifications for Stage#2 consisting of Unit#3, Unit#4 and Unit#5 and related auxiliaries. This FGD system consists of mainly E & C of Ducts (Tap off from Flue gas duct, Duct from Absorber to Chimney inlet & Duct inside chimney till flue can connection), Absorber tower along with oxidation blowers, Gas-Gas Heater (GGH), Lime stone grinding and slurry preparation system consist of Wet ball mills, Lime stone silos, Slurry pumps, Gypsum dewatering system common to both stages, and associated piping and also other auxiliaries i.e. Fire protection system, Equipment cooling water system related to FGD, Instrument and service air piping, process water piping and application of insulation, etc.& Painting of the FGD equipment at 5X800 MW Yadadri Thermal Power Plant.	--		
1A	Structure	MT	6,043	.343892
2A	Non Pressure Parts/Ducts/Dampers	MT	7,980	.4444812
3A	Rotating Components/Machines	MT	2,811	.1166761
4A	Piping-CS Piping	MT	517	.0419608
4B	Piping-SS piping	MT	33	.0016563
4C	Piping-GA piping	MT	90	.0069423
5A	Insulation-Wool	MT	480	.0314653
5B	Insulation-Iron Components	MT	120	.0125499
5C	Insulation-Aluminium	MT	3	.0003761

**Part C : Bill of Quantities**

**Tender Specification for Erection, testing, commissioning, trial run and handing over of the FGD system (Mechanical) as per the tender specifications for FGD Systems consisting of Unit#3, Unit#4 and Unit#5 and related auxiliaries at 5X800 MW Yadadri Thermal Power Station.**

**at 5 X 800 MW Yadadri TPS**

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