

TENDER SPECIFICATION BHEL PSSR SCT 2027

FOR

Supply of Ready Mix Concrete (RMC) for Natural Draught Cooling Towers (NDCT) Unit # 1&2 by establishing a batching plant at 2x660 MW Ennore SEZ Super Thermal Power Project, Thiruvallur District, Tamil Nadu.

PRICE BID

VOLUME –II



BHARAT HEAVY ELECTRICALS LIMITED

(A Government of India Undertaking)

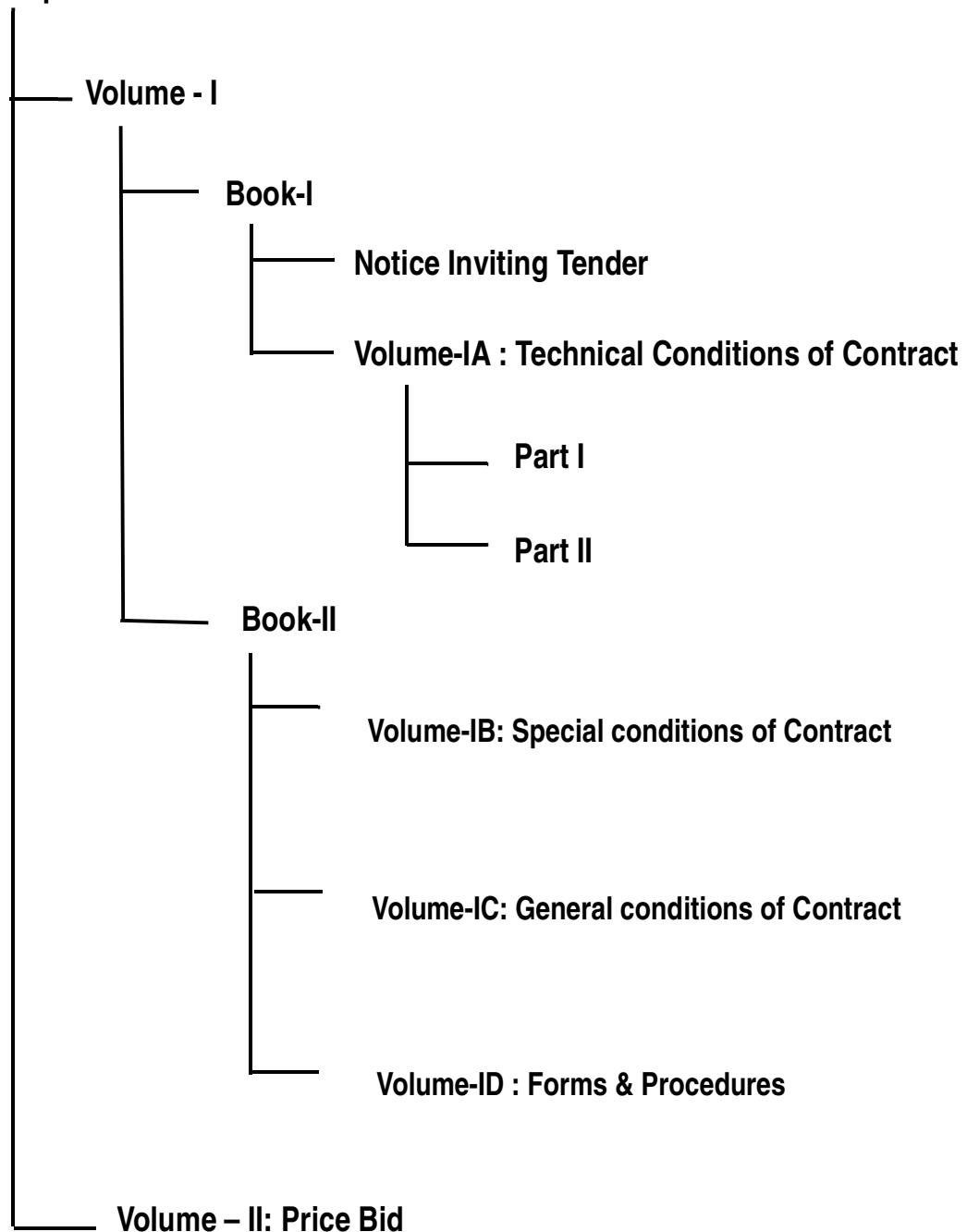
Power Sector – Southern Region

Tek Towers, No. 11, Old Mahabalipuram Road

Okkiyam Thoraipakkam, Chennai - 600097

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. 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:2027 for Supply of Concrete by establishing a Batching Plant at Ennore SEZ site for NDCT # 1&2 works

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
200.0	CONCRETE WORK: Providing Ready Mix concrete including cost of labour, materials (unless otherwise specified in BOQ/contract specification) and equipment for handling, transportation, batching, mixing, with mechanised equipments like batching plant, transit mixer of suitable capacity and all accessories, including demobilisation of the same after completion of works etc with all accessories & safety arrangement required for safe movement of labourers. the scope inclusive of transportation of the equipments, mobilization, demobilization, maintenance, operator charges, and necessary foundations etc. all complete as per drawing, specifications and as per direction of engineer in charge . The cost shall be inclusive of cement slurry which required to be supplied on requirment basis and proper day to day accounting shall be done for the purpose of reconciliation. (Cement shall be supplied by BHEL as a free issue for both concrete and cement slurry).	--		
201.0	Providing Ready Mix Concrete of grade M7.5 (1 part cement, 4 part sand, 8 parts of 40 mm graded aggregate by volume) as per the technical specifications and as instructed by Engineer in charge.	Cu.M	200	.0046947
A202	Providing Ready Mix Concrete of grade M10 (1 part cement, 3 part sand, 6 parts of 20 mm graded aggregate by volume) as per the technical specifications and as instructed by Engineer in charge.	Cu.M	500	.0117366
A205	Providing Ready Mix Concrete conforming to IS:456 & IS 10262- 2009 for reinforced concrete works with sand and graded hard stone aggregate of 20mm nominal size for foundations/substructure, grade slab, paving, drains, under floors etc at all level below basin wall top level, any shape, position or thickness etc complete including use of plasticizer/ superplasticizer conforming to IS:9103 (latest) to achieve required slump in concrete all complete as per specification & drawing for the following.	--		
b	M 30 Grade (pedestals, Ring beam etc)	CUM	1,500	.0369332
c	M 35 Grade (Grillage Columns etc)	CUM	3,500	.0866202

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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
A206	Providing Ready Mix Concrete conforming to IS:456 & IS 10262-2009 for reinforced concrete works with sand and graded hard stone aggregate of 20mm nominal size for superstructure at all level above finished floor level (all structures above top of basin wall), any shape, position or thickness etc complete including use of plasticizer/superplasticizer conforming to IS:9103 (latest) to achieve required slump in concrete all complete as per specification & drawing for the following.	--		
Ae	M 40 Grade (For shell, ring beam, corbel, platform, walkway etc.)	CUM	34,750	.8600153
TOTAL Weightage				1.0