

TENDER SPECIFICATION

BHEL: PSSR: SCT: 1924

FOR

**Design, Supply, E&C, O&M of Temporary Ventilation
System in Main Reactor Building On Rental Basis for Unit
3 & Unit 4 of Kudankulam Nuclear Power Project,
Radhapuram Taluk, Thirunelveli District, Tamil Nadu**

VOLUME –II PRICE BID

TECHNOCOMMERCIAL BID - Consists of Book- I & Book- II

Book- I Consists of

- Notice Inviting Tender
- Volume-IA: Technical Conditions of Contract

Book-II consists of

- Volume-IB: Special conditions of Contract,
Rev 01 dated 1st June 2012
Amendment 01 dated 1st October, 2015
- Volume-IC: General conditions of Contract
Rev 01 dated 1st June 2012,
Amendment 03 dated 1st October, 2015
- Volume-ID: Forms & Procedures
Rev 01 dated 1st June 2012
Amendment 01 dt 1st October, 2015



BHARAT HEAVY ELECTRICALS LIMITED

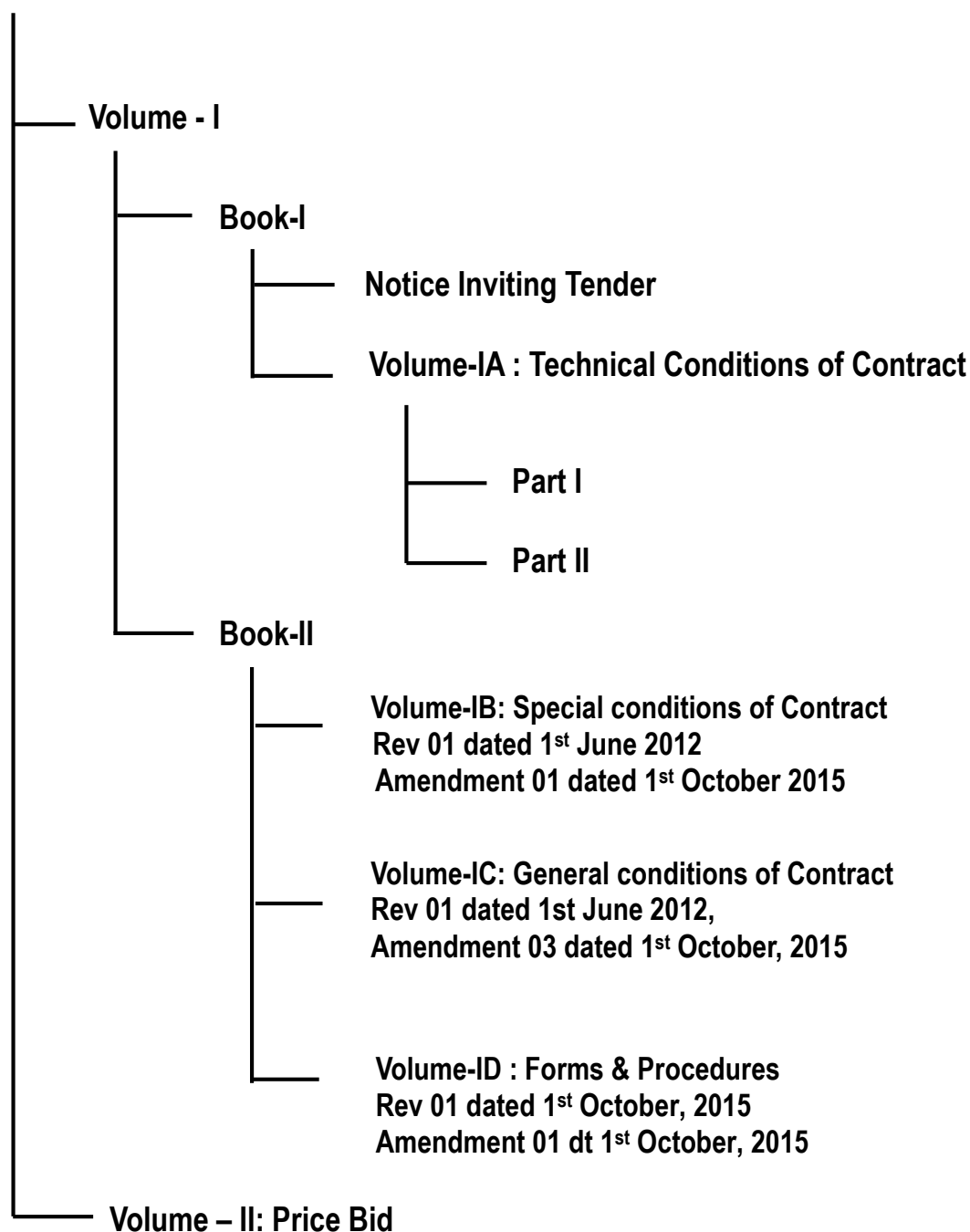
(A Government of India Undertaking)

Power Sector – Southern Region

Tek Towers, No. 11, Old Mahabalipuram Road
Okkiyam Thoraipakkam, Chennai - 600097

TENDER SPECIFICATION CONSISTS OF

Tender Specification



PRICE BID

PART-A-INSTRUCTIONS TO BIDDERS:

- 1) The 'Price bid contains the consolidated list of BOQ with brief description of items. The quantity indicated in the BOQ / Price bid is approximate only and is liable for variation. Payment will be as per actual quantity executed as certified by BHEL Engineer.
- 2) Before filling the Rates in the Price bid, the bidder shall go through the detailed specification of all items of BOQ as well as Scope of Work as specified in relevant Clause of this document
- 3) Bidders shall quote 'Total Amount' in the format named 'SCT 1924 Format to quote Total Amount' available in e-Procurement portal and uploaded under 'Packet details - > Tender covers -> Finance '(Cover Type Description – Price Bid). 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. 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 B: Format to quote Total Amount

Tender Specification BHEL:PSSR:SCT:1924 for TEMPORARY VENTILATION AND AIR CONDITIONING SYSTEM FOR REATCOR BUILDING IN KUDANKULAM UNIT 3 & 4

at 2 X 1000 MWe Kudankulam Nuclear Power Plant Unit # 3 & 4 - NIEP Package

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:1924 for TEMPORARY VENTILATION AND AIR CONDITIONING SYSTEM FOR REATCOR BUILDING IN KUDANKULAM UNIT 3 & 4

at 2 X 1000 MWe Kudankulam Nuclear Power Plant Unit # 3 & 4 - NIEP Package

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	Air conditioning and ventilation during erection phase: Design, supply, erection, testing and operation of minimum 120 TR capacity temporary Ventilation and air conditioning system to provide clean room condition for reactor building during NSSS (Nuclear steam supply system) equipment and piping erection work for period of 24 months per unit and providing exhaust ventilation for welding fumes & dust as per technical specification and scheme attached. This work also includes heat load estimation, designing and selection of Direct expansion type [Dx type] refrigeration system or other approved efficient air conditioning system with water circulation pumps, piping & air cooled condensers, PAC will be cooled by water and water will be cooled by air, the PAC out let to various location will be through flexible duct connection. This work also includes supply of refrigeration equipment of reputed make such as Blue star, Voltas, Carrier or any other approved manufacturer, machinaries, tool & tackles, consumables, qualified manpower for two shift operation, spares for trouble free operation for entire duration and dismantling of erected refrigeration equipments, taking back after completion of contract period for following items	--		
1.1	Design approval	LumpSum	1	.0014915
1.2	Supply, handling, transporation, storage, erection and commissioning of equipment separately for each unit as per approved design along with SS & CS ducting mentioned as per technical specifictaion. Note: The list of equipments of each unit shall be approved by BHEL engineer after design completion.	SET	2	.7582691
1.3	Operation of air conditioning system with spares for trouble free operation with qualified manpower for each unit (02 units x 24 Months)	Month	48	.2402394
TOTAL Weightage				1.0