

**TENDER SPECIFICATION
BHEL: PSSR: SCT: 2068**

FOR

Dismantling of 2 nos. Closed Storage Shed (60m x15m x6m approximate size) at 2x800 MW Sri Damodaram Sanjeeviah TPP, Stage-I, Krishnapatnam, Nellore District, Andhra Pradesh, Transportation to 2x1000MWe Kudankulam Nuclear Power Project at Kudankulam, Radhapuram Taluk, Tirunelveli District, Tamil Nadu, Unloading, Construction of civil foundation & Re-erection including supply of additional items required for complete readiness of the closed storage shed at site.

**VOLUME – II
PRICE BID**



BHARAT HEAVY ELECTRICALS LIMITED

(A Government of India Undertaking)

Power Sector – Southern Region

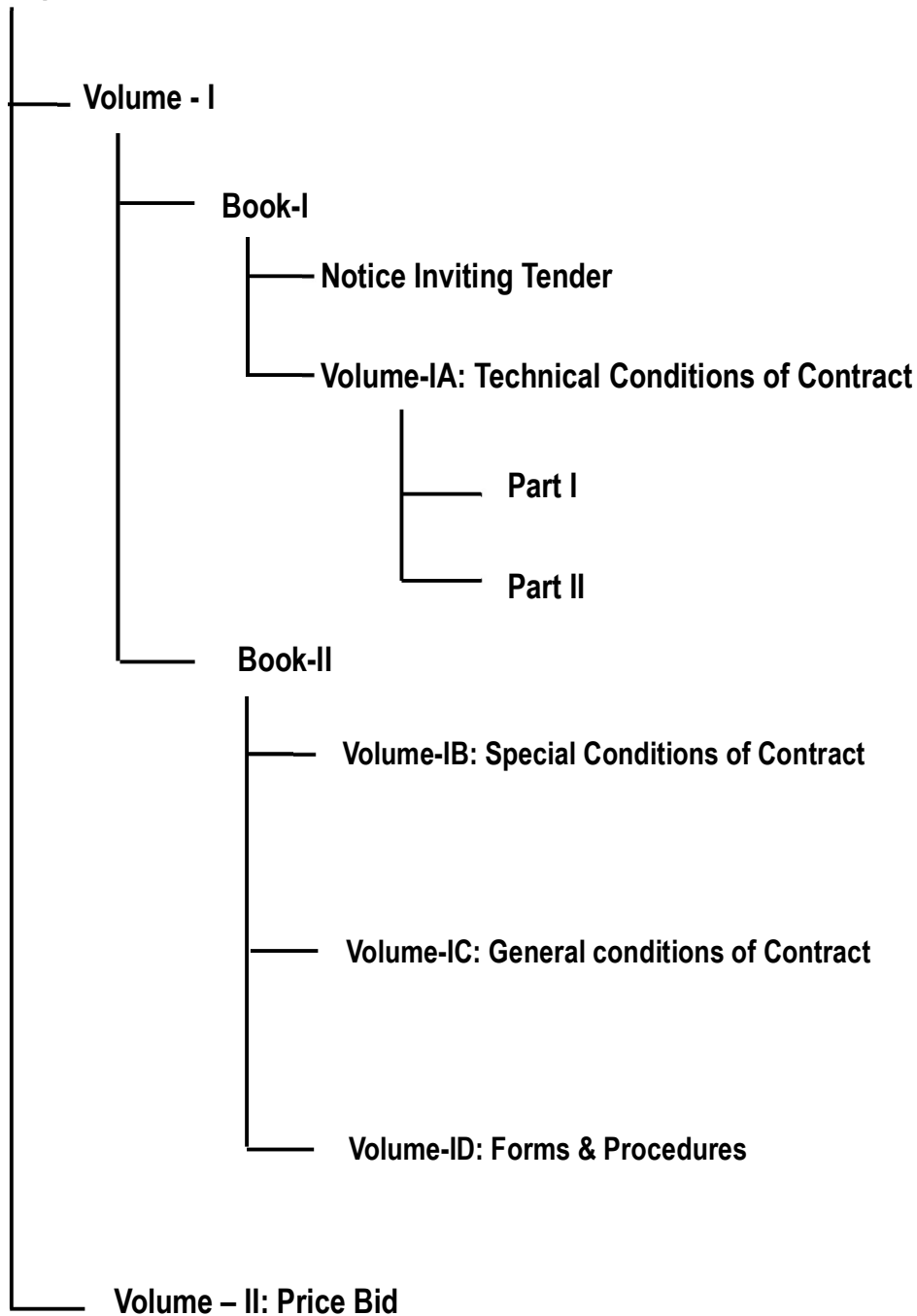
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TENDER SPECIFICATION CONSISTS OF

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 BHEL:PSSR:SCT:2068 for Diversion and re-erection of 2 nos. Closed storage sheds incl. civil foundation works

at 2 X 1000 MWe Kudankulam Nuclear Power Plant Unit # 3 & 4 - TG & SWS 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
Civil works	--	--		
A1	Earth work in stripping of top soil upto a maximum depth of 0.30m below ground level so as to exclude all debris, grass, vegetation, bushes, trees having girth upto 300 mm including roots and organic materials etc for leveling and grading including dressing to specified levels & grades and compacting the graded/stripped surface by manual/mechanical means, disposal of stripped materials within a lead upto 1km etc all complete as per specification, drawing and as directed by the engineer-in-charge.	Sqm	1,916	.0066179
A2	Earthwork excavation in all kinds of soils including ash (except hard rock) by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30cm depth, 1.5m in width as well as 10sqm on plan) including getting out and depositing within an initial lead of 50 m and lift upto 1.5m for foundations, drains, sewers etc., Rate to include baling, strutting, shoring, sectioning the sub grade to proper level, grade, watering & consolidating to receive the concrete bed all as per standard specifications.	Cum	1,076	.0254946
A3	Back filling around foundations in plinths, trenches, drains etc to proper grade and level with selected good soil from compulsorily excavated earth or earth supplied by BHEL/Customer, within a lead of 1 Km free from shingle, salts, organic materials, roots, sod or any other foreign substance including re-excavating loose thickness, watering and ramming in layers of 20cm thickness by manual/ mechanical means, dressing etc complete. .	Cum	744	.0217897
A4	Supplying and filling in plinth with fine aggregate i.e manufactured crushed stone sand under floors, including watering, ramming, consolidating and dressing complete.	Cum	180	.0448641
A5	Providing and laying PCC; 100 mm thick; mix 1:2:4 using 20mm size hard broken granite stone jelly including ramming,levelling, curing etc., for flooring and foundations including providing necessary slopes etc., complete as per standard specifications at heights.	Cum	180	.1528924

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A6	Providing and laying PCC of mix 1:4:8 using 20mm size hard broken granite stone jelly including ramming,levelling, curing etc., for flooring, and side drains including providing necessary slopes etc., complete as per standard specifications at heights.	Cum	32.8	.0239297
A7	Providing and laying R C C of mix M25, using 20mm down size hard broken granite stone jelly for all types of RCC works at all heights including finishing, curing etc. complete, but excluding centering, shuttering, cost of reinforcement fabrication all as per standard specifications. Rate to include for providing necessary slope in the concrete as directed by Engineer in charge.	Cum	90.6	.083561
A8	Fairface form work with good quality water proof ply wood of required thickness and smooth surface below finished ground floor level for foundations, footings, base of columns, walls, columns, pilasters, beams, mass concrete, trenches etc.	sqm	508	.0180416
A9	Providing, straightening, cutting, bending, placing in position at any level, binding in position of tor steel reinforcements confirming of grade Fe-500 confirming to IS:1786 including cost of binding wire, labour, transportation to & from stores etc complete all as per specifications, drawings and as directed by Engineer.	MT	10.32	.1066993
A10	Supply, fabrication and fixing of embedments, inserts, pipe sleeves, angle pieces, anchor bolts of various diameters, plates of dimensions as required etc. including scaffolding, setting in position, transportation from BHEL site stores to work spot etc. all complete.	kgs	344	.0036278
A11	Providing brick work in C.M 1 : 6 in foundation and superstructure using fly ash bricks as per standard specifications. Rate to include cost of scaffolding, labour, curing etc., complete.	Cum	64.9	.0415399
A12	Providing plastering with CM 1 : 6, 12mm thickness all as per standard specifications, including rendering smooth, rounding of corners etc., complete.	Sqm	520	.0176522
A13	Supplying and painting distemper two coats over a priming coat using best quality oil bound washable distemper of approved make and colour. Rate to include cost of cleaning and preparation of the surface, applying putty, labour, materials etc., all complete.	Sqm	520	.0097481

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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
A14	Providing & grouting of pocket holes, pipe sleeves and under base plate of structural steel work/ machinery/ pipe supporting structures including roughening of surface, cleaning, ramming, curing etc. all complete with mix 1:1:2 (1 cement : 1 coarse sand : 2 aggregate of 6 mm down graded stonechips) using non shrink admixture as per specification, drawing and direction of engineer-in-charge.	Cum	0.34	.0011636
Shed diversion and re-erection work	--	--		
B1	Dismantling of Closed shed at Krishnapatnam site	L.S	2	.0765193
B2	Packing, Loading, Transportation & Unloading of Closed storage shed at Kudankulam site	L.S	2	.1076053
B3	Supply of Additional items as required (like Ventilators, Medium Bay HPSV lamps with fittings, Sliding doors, Galvalume sheets, Structural sheet bolts, nuts, washers, clamps, fasteners, Rainwater gutters and other piping materials & accessories, electrical cables, fittings, earthing materials, etc.)	L.S	2	.1123878
B4	Re-erection of Closed storage shed at Kudankulam site	L.S	2	.145865
TOTAL Weightage				0.9999992