

TENDER SPECIFICATION

BHEL: PSSR: SCT: 2172

FOR

**Dismantling of Closed Storage Sheds (60m X 15m
X 6m), 1 no. at MEIL Tuticorin & 2 nos. at
Vijayawada TPP, Transportation, Unloading, Re-
Erection**

**including construction of civil foundation at
Kudankulam NPP in Unit # 3 & Unit # 4**

VOLUME –II

PRICE BID

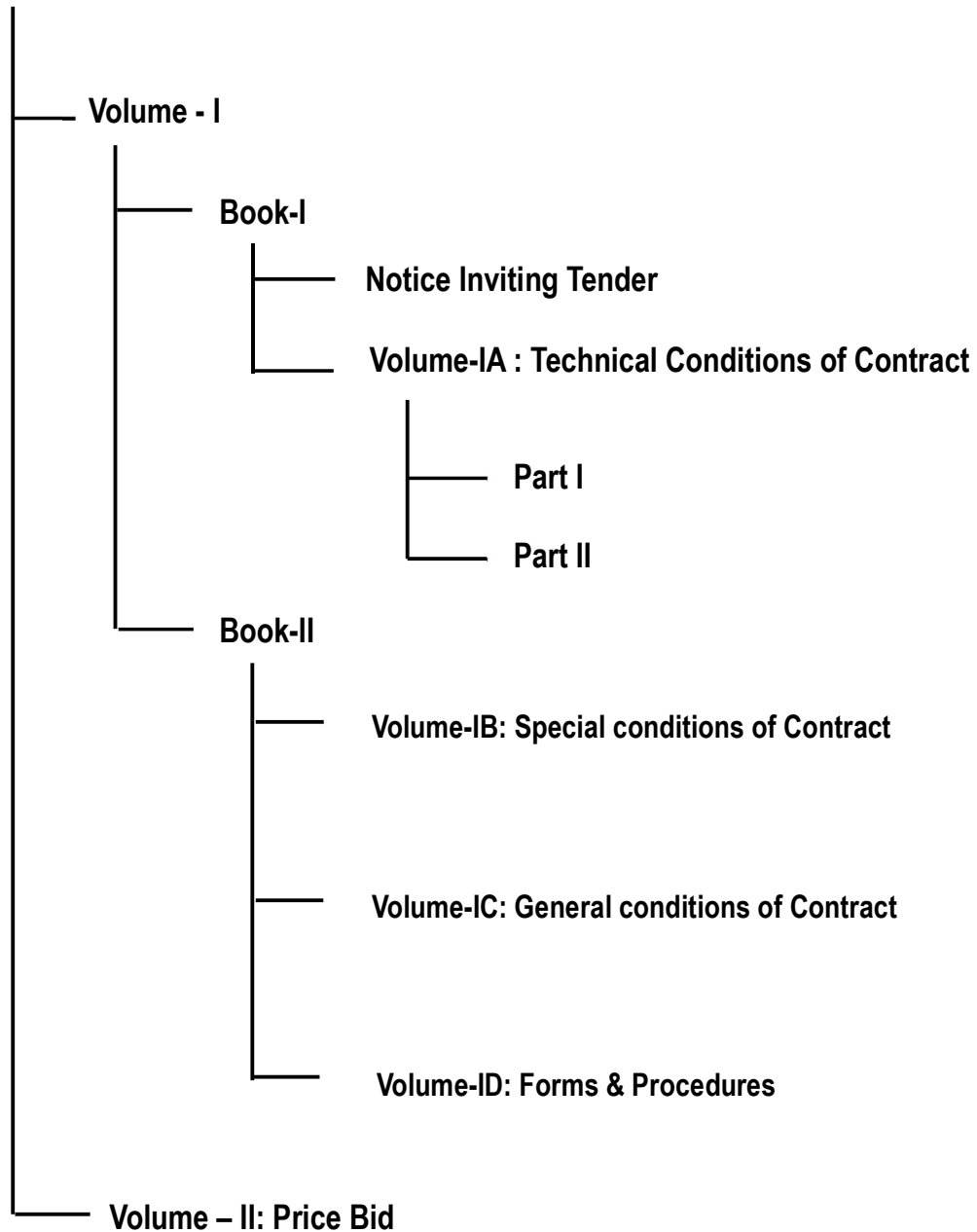


BHARAT HEAVY ELECTRICALS LIMITED
(A Government of India Undertaking)

Power Sector – Southern Region
BHEL Integrated Office Complex, TNEB Road
Pallikaranai, Chennai - 600100

TENDER SPECIFICATION CONSISTS OF

Tender Specification



NOTICE INVITING TENDER

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NOTICE INVITING TENDER

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. Total amount shall be excluding taxes.
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 for Dismantling of Closed Storage Sheds (60m X 15m X 6m), 1 no. at MEIL Tuticorin & 2 nos. at Vijayawada TPP, Transportation, Unloading, Re-erection including construction of civil foundation at Kudankulam NPP 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	2,874	.0157965	
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	1,614	.0304152	
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	1,116	.017175	
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	270	.0440964	
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	270	.1034568	

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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
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	49.2	.0169978
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	135.9	.0618904
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	762	.0275225
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	15.48	.0996691
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	516	.0042137
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	97.35	.039748
A12	Providing plastering with CM 1 : 6, 12mm thickness all as per standard specifications, including rendering smooth, rounding of corners etc., complete.	Sqm	780	.0159237
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	780	.0093092

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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	0.51	.0002707	
Shed diversion from MEIL Tuticorin site and re-erection	--	--			
B1	Dismantling of Closed shed at MEIL Tuticorin site	L.S	1	.0345484	
B2	Packing, Loading, Transportation & Unloading of Closed storage shed at Kudankulam site	L.S	1	.0298373	
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	1	.0496241	
B4	Re-erection of Closed storage shed at Kudankulam site	L.S	1	.0502523	

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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	
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Shed diversion from Vijaya wada site and re-erection					
C1	Dismantling of Closed shed at Vijayawada site	L.S	2	.0653279	
C2	Packing, Loading, Transportation & Unloading of Closed storage shed at Kudankulam site	L.S	2	.0835444	
C3	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	.0998764	
C4	Re-erection of Closed storage shed at Kudankulam site	L.S	2	.1005045	
TOTAL Weightage				1.0	