

[Validate](#)[Print](#)[Help](#)

Item Rate BoQ

Tender Inviting Authority: BHEL-PSER

Name of Work: Civil Enabling works for Closed Storage Shed, Road, Drain, Open Storage Yard, Site office, & Miscellaneous Works at 1x800MW, STPP, Singareni, Telangana.

TENDER NO - PSER:SCT:SNG-C2238:23

Name of the Bidder/ Bidding Firm / Company :			
PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only, rate/price filled here will automatically reflect in SCH-1 - TOTAL PRICE)			
NUMBER #	TEXT #	NUMBER #	TEXT #
Sl. No.	Item Description	QUOTED PRICE (INR) IN FIGURE	QUOTED PRICE (INR) IN WORDS
1	2	13	55
1	Total price for Civil Enabling works for Closed Storage Shed, Road, Drain, Open Storage Yard, Site office, & Miscellaneous Works at 1x800MW, STPP, Singareni, Telangana; that involves development of Open Storage Yard, Civil foundation work of Covered Storage Shed, BHEL Site Office, fencing, internal roads, drains, etc. including supply of manpower, supervision, T&Ps , consumables etc all complete as per specification and terms & conditions of tender.		INR Zero Only

VOLUME-III PRICE SCHEDULE, REV-00	
JOB: Civil Enabling works for Closed Storage Shed, Road, Drain, Open Storage Yard, Site office, & Miscellaneous Works at 1x800MW, STPP, Singareni, Telangana.	
TENDER NO - PSER:SCT:SNG-C2238:23	
PREAMBLE	
BIDDER'S NAME	0
SL NO	DESCRIPTION
1	This preamble forms part of tender document and schedule of items. The tenderer should read this preamble carefully before filling in rates for various items. Clauses under this preamble shall be read in conjunction with various volumes of tender and other tender sections as applicable and shall have precedence over any contrary statement mentioned anywhere in this document. The tenderer shall sign & stamp all the pages of the tender document as a token of their acceptance. Submission of unfilled formats with sign & stamp shall be construed as acceptance of the contents of the same.
2	The work shall be carried out strictly as per specifications, description of the items in these schedule and / or engineer's instructions. Drawings enclosed with the tender are only preliminary and for tender purposes and giving some idea of the work involved. The work is to be executed as per drawings & documents, which shall be furnished during execution.
3	Items of work provided in this schedule but not covered in this specification shall be executed strictly as per instruction of the engineer.
4	Unless specifically mentioned otherwise in the tender document, the tenderer shall quote for the finished items and shall provide for the complete cost towards power, fuel, tools, tackles, equipment, constructional plants, temporary works, labour, dismantling of all temporary piping, structures, valves, pumps, tanks & other misc. equipment, strengthening of roads/culverts/bridges etc. including arranging all clearances etc. required for carrying out different activities & tests, materials, levies, transport, layout, repairs, rectification, maintenance till handing over, supervisions, colonies, shops, establishments, overheads, profits and all incidental items not specifically mentioned but reasonably implied and necessary to complete the work according to the complete tender document and this schedule.
5	Prior written approval of BHEL shall be sought by the contractor in case quantity variation of any item crosses +50% (plus fifty percent) limit during execution, an approval to be obtained before execution of further quantity for this item.
6	In case Sealed /Paper Price Bids are opened for finalisation of the tender, for any Item Rate/BOQ based contract, possibility of variation of quantity/ addition/deletion of items can not be ruled out. Under such circumstances, after execution of work, if it is observed that standing as L-1 is changed based on actual quantity executed, the bidder shall give suitable rebate to maintain your standing as L-1. Since this aspect can be assessed at the end of execution, necessary adjustment will be effected at the end of execution in final bill. This condition shall not be applicable where the tender is finalised through Reverse Auction.
7	BHEL reserve the right to rationalize the rates, quoted by L-1 bidder against unit rate items and/ or other optional items with respect to item-wise lowest rates (amongst the participating bidders), before placement of order.
8	The rates quoted shall be inclusive of cleaning of site of any vegetation, dressing , clearing of old structures and leveling etc. including fixing of grid pillars, benchmarks etc. required for commencement of site activities. No separate payment will be made towards the same. However, if separate rate for such item is available in the rate schedule, the same shall be considered.
9	Rates shall be quoted in figures and in words in clear legible writing. No overwriting is allowed. All scoring and cancellations should be countersigned and in case of illegibility the interpretation of engineer shall be final. All entries shall be in English language.
10	All works item wise shall be measured upon completion and paid for at the rates quoted and accepted as per BHEL approved payment schedule/billing break-up.
11	The bidder shall be deemed to have visited site and made himself aware of all the site conditions, studied the specifications and details of work to be done within the time schedule attached and to have acquainted himself of the conditions prevailing at site before submission of his bid/offer. No claim whatsoever due to lack of knowledge of site conditions shall be entertained after award of the work.
12	No splitting of the job is envisaged. Decision of BHEL in this regard shall be final and binding to the bidders.
13	Bidders are not allowed to alter the Price Schedule format including item description, quantity etc. and the offer is liable for rejection if the bidders submit their prices in Price Schedules modified by them. BHEL reserves the right to reject the offers of bidders who submit offers in Price Formats which are modified/altered by them. Also putting any comments instead of rates/price in the designated column of the rate schedule shall make the offer liable for rejection.
14	Bidders to note that for Civil &/Structural packages, against a particular item against a ST No. appearing in more than one schedule of the BOQ, same rate must be quoted in all schedules for that particular items with same descriptions. If by error, different rates are quoted in different schedules for same ST No.(i.e. item with same description), then the higher of the rates shall be considered for evaluation but awarding shall be done with the lower rate, if the bidder becomes L-1."
15	For Lumpsum Service Contract : The items/components indicated in the tender is indicative and may vary to any extent. No compensation shall be payable in case of any variation in the items/components listed in the bill of quantities if the executed weight remains within the variation limit. However, in case of deletion of any item or addition of new items over and above the items listed or variation of existing quantity beyond variation limit specified, adjustment (i.e. Payment or recovery as the case may be) shall be done on pro-rata basis based on the Rate per MT worked out from the quoted lump-sum Price and the total weight of components listed /indicated in price schedule plus 15% weight variation limit.
16	Engineer's decision shall be final and binding on the contractor regarding clarification of items in the schedule with respect to the other sections/volumes of the contract.
17	No interest, whatsoever, shall be payable by BHEL on the security deposit, any bank guarantee submitted or any amount due to successful bidder/contractor.
18	Size and weights of various items are mentioned in the attached BOQ cum rate/price schedule for reference purpose only & these shall not be taken into consideration for quoting/calculating amount in the rate schedule. These shall be utilised as per relevant sections of tender. Bidders shall quote for each item in the rate column, taking unit as mentioned in the quantity column. Rates shall be filled in both figures and words. Amount shall be calculated based upon these rates multiplied by the mentioned quantity for the respective items.
19	Bidder's Total price shall be considered for evaluation unless stated otherwise.

VOLUME-III PRICE SCHEDULE, REV-00			
JOB: Civil Enabling works for Closed Storage Shed, Road, Drain, Open Storage Yard, Site office, & Miscellaneous Works at 1x800MW, STPP, Singareni, Telangana.			
TENDER NO - PSER:SCT:SNG-C2238:23			
SCH-1 - TOTAL PRICE			
BIDDER'S NAME	0		
SL NO	DESCRIPTION	PRICE SCHEDULE REF	TOTAL QUOTED PRICE (Rs) (IN FIGURES AND WORDS)
1.0	Total price for Civil Enabling works for Closed Storage Shed, Road, Drain, Open Storage Yard, Site office, & Miscellaneous Works at 1x800MW, STPP, Singareni, Telangana; that involves development of Open Storage Yard, Civil foundation work of Covered Storage Shed, BHEL Site Office, fencing, internal roads, drains, etc. including supply of manpower, supervision, T&Ps , consumables etc all complete as per specification and terms & conditions of tender.	SCH 2 - BREAK UP OF TOTAL PRICE	0.00
NOTE			
1.0	Bidder shall quote total price for total price for SCH-2- Part only at sl no 1.0 above. All other amounts/ rates of each item of works in respective schedules/ parts will be derived based on allocated percentages/weightages. As such, any uncalled figure/ amount noted at any other place/ schedule of Volume-III will not be reckoned & will stand null & void.		
2.0	Bidder to note that total price at sl no 1.0 above shall be considered for evaluation & awarding. As such grand total price should be complete in all respect for the full scope defined and considering all terms and conditions.		
3.0	Bidder to note that SCH-2 covers break up of all respective items, unless specified otherwise in the description of items.		
4.0	Based on the itemwise percentage/weightage allocations, the amount for the individual items of the Bill of Quantity shall be arrived at. The rates of individual items shall be derived from the amount against each items and its quantity after rounding off to upto 4 decimal places. However, RA bill payment shall be done after rounding off the gross amount to 2 decimal points. Any adjustment, if required, due to such methodology, will be effected / adjusted in final bill.		
5.0	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.		
6.0	Any item as per scope of work, if not included in the price quoted above and shown separately will not be taken cognizance of and the offer shall be liable for rejection.		
7.0	Successful bidder shall draw a schedule of quantities of various items according to their scope of work as per BOQ/drawings/documents and obtain BHEL's approval/ clearance in writing before procurement and supply.		
8.0	The quantity of items may vary during execution mainly due to actual requirement etc. The unit rates work out from the overall amount quoted & accepted by BHEL shall be considered and no separate unit rates shall be allowed. Unit rates shall be valid throughout the contract period unless otherwise mentioned elsewhere.		
9.0	Price Schedule format shall not be changed by bidder in any case and it may lead to cancellation of their offer.		

VOLUME-III PRICE SCHEDULE, REV-00				
JOB: Civil Enabling works for Closed Storage Shed, Road, Drain, Open Storage Yard, Site office, & Miscellaneous Works at 1x800MW, STPP, Singareni, Telangana.				
TENDER NO - PSER:SCT:SNG-C2238:23				
SCH-2: BREAK UP OF TOTAL PRICE				
BIDDER'S NAME	0			
ST. NO	DESCRIPTION OF ITEM	UNIT	Quantity	Weightage
100	Earth work: Earth work In excavation, backfilling and disposal including necessary men/women, materials, equipment, loading, transportation, unloading, dewatering etc as per specification, drawing and as directed by engineer- in-charge for the following:			
101	Earth work in excavation in all types of soil including ash which can be excavated by any means including setting out, levelling, dewatering (but excluding special type of dewatering viz. well point method), shoring & strutting (wherever required), dressing the sides & bottom, all lifts, ramming/compacting the excavated bottom, stacking, disposal of surplus excavated materials within a lead upto 1Km, spreading/levelling of disposed materials etc all complete for following depths below ground level.			
a	Depth from ground level but not exceeding 2 m	CUM	10355	0.01265414
b	Depth exceeding 2 m but not exceeding 4 m	CUM	744	0.00113988
108	Earthwork in Back filling upto any depth below ground level around foundations, plinths, trenches, drains etc to proper grade and level in layers not exceeding 250 mm thickness using/with selected materials directly from excavation within a lead upto 1Km and compacted as specified including reexcavation of stacked earth, watering, ramming/compaction by manual/mechanical means, dressing etc all complete.for the following.			
a	Each layer compacted so as to achieve at least 90% maximum dry density as per IS-2720 (Part-VII)	CUM	10030	0.01189110
A108	Earthwork in Back filling with available ash(within plant premises) upto any depth below ground level around foundations, plinths, trenches, drains etc to proper grade and level in layers not exceeding 250 mm thickness within a lead upto 1Km and compacted as specified including re-excavation, watering, ramming/compaction by manual/mechanical means, dressing etc all complete as directed by Engineer In Charge.			
a	Each layer compacted so as to achieve at least 80% relative density as per specification	CUM	1000	0.00129499
109	Extra over ST No. 101, 108, 108A and 2401 for carriage of excavated earth/selected materials for every 500m or part thereof beyond an initial lead of 1Km.	CUM	2500	0.00042862
A111	Supplying and filling sand upto any depth under floors, around foundations, plinths etc. in layers not exceeding 200 mm loose thickness and compacted so as to achieve at least 85% relative density as per IS-2720 (Part-XIV) including spreading, watering, ramming/compaction by manual / mechanical means, dressing, royalty (if any) etc. all complete.	CUM	50	0.00127675
200	CONCRETE WORKS:- Providing and placing concrete work including cost of labour, materials and equipment for handling, transportation, batching, mixing, placing, vibrating and curing, (excluding cost of centering, shuttering and reinforcement) with mechanised equipments like batching plant, transit mixer, concrete pump etc. complete as per drawing, specifications and as per direction of engineer in charge for the following.			
201	Concrete of grade M7.5 (1 part cement, 4 part sand, 8 parts of 40mm / 20mm graded aggregate by volume) as filling course at any depth below finished floor level, under and around foundations/floors, mass fill etc.	CUM	40	0.00262646
203	Concrete of grade M15 (1 part cement, 2 part sand, 4 parts of 40mm / 20mm graded aggregate by volume) as lean concrete, levelling course, mud mat under and around foundations/floors at any depth below finished floor level etc.	CUM	1525	0.11932590
203A	Concrete of various grades with nominal size aggregate, using of coarse bottom ash (FM>2.6) having UBC not more than 4% (from with plant premises) as a replacement of fine aggregate in concrete up to maximum 100% based on the proper design mix & proven results of 28-days concrete strength, with required slope as per drawing specifications and direction of Engineer in charge including supply of all the required materials. Note: The bottom ash shall be arranged by the bidder from inside the plant premises.			
a	M 7.5 Grade	CUM	100	0.00601896
b	M 15 Grade	CUM	1000	0.07149796
c	M 20 Grade	CUM	350	0.02585417
d	M 25 Grade	CUM	50	0.00380289
205	Providing and laying Design Mix cement concrete conforming to IS:456 & IS 10262-2009 for reinforced concrete works with coarse sand and graded hard stone aggregate of 20mm nominal size in foundations/substructure, grade slab, paving, drains, under floors etc at all level below finished floor 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.			
a	M 20 Grade	CUM	400	0.03195521
b	M 25 Grade	CUM	50	0.00409472
213	Providing and laying Design Mix cement concrete as per IS:456 & IS 10262-2009 for reinforced concrete works using graded aggregate for Concrete in precast works like roof slabs/trench covers, fins, lintels, chajas, beams, columns, wall panels, facias etc.at all levels in all kinds of work including formwork/moulds, curing, rendering the top exposed surface with cement sand mortar (1:3), handling, storing, transpoting, all leads, erection without damage, setting in position with cement sand mortar (1:3), filling the gaps between adjacent precast units with M30 grade concrete or cement sand mortar (1:3) and including making of holes for bolts for fixing, welding etc.complete with graded aggregate (20/12.5/10 mm) and as per specification and drawing for following grades.			
a	M25	CUM	10	0.00096996
215	Dismantling concrete work for all types of structures at all levels including stacking of servicable material to a lead of 500 m and disposal of unservicable material upto a lead of 2 km, cutting of reinforcement, labour, equipment, safety precautions etc all complete as per drawings, specification and instructions of engineer in charge.			

VOLUME-III PRICE SCHEDULE, REV-00				
JOB: Civil Enabling works for Closed Storage Shed, Road, Drain, Open Storage Yard, Site office, & Miscellaneous Works at 1x800MW, STPP, Singareni, Telangana.				
TENDER NO - PSER:SCT:SNG-C2238:23				
SCH-2: BREAK UP OF TOTAL PRICE				
BIDDER'S NAME	0			
ST. NO	DESCRIPTION OF ITEM	UNIT	Quantity	Weightage
a	Plain cement concrete of all grades	CUM	5	0.00006366
b	Reinforced cement concrete of all grades	CUM	5	0.00011162
c	Stone masonry work/ Brick work	CUM	5	0.00006274
216	Carrying out design mix tests of concrete of various grades from reputed recognised institutes as per the instruction of BHEL, including transportation of materials, all required tests, submission of test reports all complete.			
a)	Mix design of required grades	Nos	2	0.00105058
300	FORMWORK: Providing, fixing and removing formwork at all elevations for all structures, as per specifications and including all labour, material, scaffoldings and centering etc. complete as per drawing, specifications and as per direction of engineer in charge for the following:			
A301	Fairface form work with good quality water proof ply wood of minimum 12mm thickness and smooth surface at all levels for foundations, footings, base of columns, walls, columns, pilasters, beams, mass concrete, trenches etc.including chamfering of edges as per drawing, specification and instruction of engineer in charge.	SQM	3290	0.02208266
400	REINFORCEMENT WORK : Reinforcement work including all labour, material (unless otherwise specified in BOQ/contract specification), equipment, transportation, handling etc at all level as per specification, drawings and as directed by engineer - in - charge for the following:.			
402	Providing, straightening, cutting, bending, placing in position at all level, binding in position of steel reinforcements of TMT steel of grade Fe500D or 500EQR confirming to IS:1786 including cost of reinforcement steel, binding wire, labour, scaffolding, transportation to & from stores etc complete all as per specifications, drawings and as directed by Engineer. Payment terms - a) For Supply - 80%, b) Cutting, bending & fixing - 20%	MT	67	0.07604957
402A	Supply & fixing of bamboo reinforcement as per IS 15912 (2018) for footing, beam, column and slab including supply & fixing of binding wire etc all complete as per drawing specifications.	KG	48250	0.02411323
700	MS EMBEDMENTS: Embedments including all labour, material (unless otherwise specified in BOQ/contract specification), equipment, transportation, handling etc. at all level as per specification, drawings and as directed by engineer - in - charge for the following:			
701	Supply, fabricating and fixing of mild steel embedments, inserts, pipe sleeves, angle pieces, rungs of various diameters, plates of dimensions as required etc. including welding, bolting, cutting, drilling, scaffolding, setting etc. all complete. Payment terms - a) For Supply - 70%, b) For Fixing - 30%	MT	3	0.00393968
702	Supply, Fabrication, transportation, delivery at site, Erection, installation and alignment of mild steel foundation bolt assembly conforming to IS:2062 and grade 1 of IS:432 in concrete along with nuts, lock nuts (as per IS:1363, 1364 and IS:3138), washers, anchor plates, stiffener plates, protective tape, pipe sleeves, templates etc. including welding, cutting, grinding, threading, drilling etc. all complete. Payment terms - a) For Supply - 70%, b) For Fixing - 30%	MT	6	0.00833746
1000	BRICKWORK: Brickwork masonry including all labour, material (unless otherwise specified in BOQ/contract specification), equipment, transportation, handling, scaffolding etc. at all levels as per specification, drawings and as directed by engineer - in - charge for the following:			
1001	Providing brick work in cement mortar 1:6 (1 part cement 6 parts coarse sand) in walls, chambers etc. in thickness varying from 230mm to 460mm at all elevation, places and positions including raking out joints, curing, scaffolding etc. complete excluding plastering and painting.			
a	Using fly ash lime bricks confirming to IS 12894 with crushing strength of 50 kg/cm2	CUM	595	0.05938416
1004	Providing brick flat soling including spreading of earth, ramming, watering including 25mm thick cushion of sand complete but excluding excavation and disposal of surplus earth (excavation and disposal of surplus earth shall be measured under applicable item).			
d	Using burnt clay bricks of class designation 5.0 of nominal dimension	SQM	150	0.00094662
1100	DAMP PROOF COURSE: Damp proof course including all labour, material (unless otherwise specified in BOQ/contract specification), equipment, transportation, handling, shuttering, centering, curing etc at all level as per specification, drawings and as directed by engineer - in - charge for the following: (Supply of cement is in scope of contractor)			
1101	Providing Damp Proof Course of 50mm thickness with 1:1.5:3 concrete (10mm and down graded aggregate) with 2% of approved admixture of water proofing compound all complete. Two layers of hot bitumen coating 85/25 grade as per IS:702 @ 1.7Kg./sqm shall be applied one before & one after the DPC.	SQM	62	0.00038675
1200	PLASTERING: Cement mortar plaster including making grooves wherever required including all labour, material (unless otherwise specified in BOQ/contract specification), scaffolding, curing etc at all level as per specification, drawings and as directed by engineer - in - charge for the following:			
A1201	Providing 18mm thick plaster in two layers inside/outside the building in cement mortar 1:6 on walls, finished to a smooth finish as per specification all complete	SQM	4160	0.01699609
1300	FINISHES TO CONCRETE / PLASTERED SURFACES: Finishes, painting to concrete, plastered surfaces including all labour, material (unless otherwise specified in BOQ/contract specification), equipment, surface preparation, scaffolding etc. at all level as per specification, drawings and as directed by engineer - in - charge for the following:			
A1301	Two or more coats of white snowcem paint as per IS 627 of approved brand and manufacture to give an even shade including a priming coat as per specifications.	SQM	810	0.00100462

VOLUME-III PRICE SCHEDULE, REV-00				
JOB: Civil Enabling works for Closed Storage Shed, Road, Drain, Open Storage Yard, Site office, & Miscellaneous Works at 1x800MW, STPP, Singareni, Telangana.				
TENDER NO - PSER:SCT:SNG-C2238:23				
SCH-2: BREAK UP OF TOTAL PRICE				
BIDDER'S NAME	0			
ST. NO	DESCRIPTION OF ITEM	UNIT	Quantity	Weightage
1319	Providing and applying two or more coats of Acrylic based weather coat paint of approved brand and manufacture and required shade over one coat of primer after necessary cleaning/ washing, preparing the surface using coir brush/ wire brush, sand paper, including filling of cracks with putty wherever required etc. all complete to give smooth, hard, durable & glossy finish over a coat of primer over prepared plaster surface as per manufacturers guidelines. The final finished coating shall be fungus resistant, UV resistant, water repellant and extremely durable with color fastness as per specification.	SQM	100	0.00048699
1400	FLOORING AND SKIRTING: Flooring and skirting at all level including base layer, labour, material (unless otherwise specified in BOQ/contract specification), equipments, transportation, handling, curing, polishing etc. at all level as per specification, drawings and as directed by engineer - in - charge for the following: (Supply of cement is in scope of contractor)			
A1417	Providing and laying vitrified ceramic tiles of glossy/matt finish of size 300x300/600x600mm from reputed / approved manufacturer complete including underbed of cement mortar 1:3 minimum 20mm thick underbed for flooring and 12mm thick underbed for dado/skirting with neat cement slurry @3.3Kg/sqm etc. all complete for following			
a	7mm thick tiles In flooring	SQM	10	0.00019261
b	7mm thick tiles In skirting and dado upto specific height	SQM	10	0.00020173
A1418	Providing and laying anti-skid fully vitrified tiles of make 'MARBONITE' or 'FERRASTONE of BOSS Profile limited' or equivalent in flooring and skirting over 20 mm thick underbed of 1 part cement and 3 parts coarse sand by weight mixed with sufficient water, cement slurry 3.3kg/sqm complete as per specification laid in pattern of following sizes			
a	7mm thick tiles In flooring	SQM	10	0.00021413
b	7mm thick tiles In skirting and dado upto specific height	SQM	10	0.00022252
1900	MISCELLANEOUS: Miscellaneous works including all labour, material (unless otherwise specified in BOQ/contract specification), equipment etc. at all level unless otherwise specified as per specification, drawings and as directed by engineer - in - charge for the following:			
1901	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 300mm 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	10000	0.00390320
1902	Supply of precast Bamboo steel composite reinforced sleeper with M20 grade having sizes of length 600 mm, width 250 mm & total depth of sleeper beam 250 mm and providing necessary steel Lifting hook as per detailed drawing specifications of Annexure-II. The item is inclusive of cost of cement & all other concrete ingredient & form works but steel & bamboo supply & fixing will be paid separately. Note: a. Supply, fixing of bamboo / steel reinforced will be paid separately b. Bottom ash is allowed to use as 50 -100 % replacement of sand as per suitability of design mix	NOS	4000	0.03049607
1903	Supply & fixing of 3 mm thick geotextile membrane over the profile cutting section of drain,tanks,etc with necessary bamboo spiking at required intervals as per drawing specifications of Annexure-II.	SQM	2500	0.01322347
1904	Dismantling G.S. Sheet roofing including ridges, hips, valleys and gutters etc.,including stacking of serviceable material and disposal of unserviceable material within 1km lead as per direction of Engineer-in-charge.	SQM	200	0.00056907
1905	Transportation from BHEL store, erection & fixing of GI sheets/cladding sheets to covers roof/walls, with J hooks/bolts, screws, etc. and nuts 8 mm diameter with bitumen and G.I. limpet washers, including cutting to size and shape wherever required with water proofing sealing where ever required, etc. as per directions of BHEL engineer.(Old serviceable GI sheets as per ST No. 1904 will be issue by BHEL free of cost).	SQM	200	0.00078064
1906	Providing and fixing 1 mm thick corrugated/semicorrugated G.I. sheet in roofs, cladding of minimum galvanisation of 275 gsm total on both sides with minimum 150mm overlapping, 8 dia G.I. hook bolts or 'J' Bolts and nuts @305 mm c/c along with G.I. and bitumen washers including cutting of sheets for opening etc. all complete.	SQM	200	0.00134971
1907	Hard-surfacing of existing land with locally available coal burden soil/earth material of maximum 250mm thickness per layer including transportation from nearby coal overburden area outside plant premises, sorting, spreading, watering, etc & consolidation with road roller all complete.	CUM	50000	0.35566586
1908	Providing and Filling in trenches, plinths, area paving and other underground structures with graded stone aggregate of size range 63 mm to 45 mm in layers not exceeding 230 mm in thickness including breaking of stone boulders to required sizes, filling the interstices with selected sand and compacting to 85 % of original volume of stone stack for all lifts etc. all complete. Payment shall be made for the measurement of the volume of the compacted fill.	CUM	325	0.00828701
1909	Providing and fixing security kiosk size approx 2M x 2M in plan, front height 3M and back side height 2.9M, made of structural angle frame 65x65x6 all verticals and two horizontals with diagonals, 3 vertical sides and roof shall be covered with colour coated CGI sheet 0.5 MM thick with one side opening 300x300MM for viewing, floor shall be made with 40 MM thick wooden planks (second class treated wood) at an height of 400MM above ground level, one wooden planks 2.0mx450mm size to be provided for sitting arrangement inside kiosk, all angles and planks top side shall be painted with one coat of primer and two coats of synthetic enamel paint finish including concrete base, all labours and materials etc complete.	NOS.	15	0.00734751
2000	FENCING AND GATES: Fencing and gates including all labour, material (unless otherwise specified in BOQ/contract specification), equipment etc at all level as per specification, drawings and as directed by engineer - in - charge for the following:			
2008A	Providing & Fixing G.I. barbed wire weighing 9.38 kg per 100 m (minimum) on fencing posts with G.I. staples, turn buckles etc. all complete as per drawings & direction of Engineer in charge.(cost of R.C.C. posts, earth work and concrete to be paid separately) (Payment to be made per metre cost of total length of barbed wire used.)	RM	12640	0.00290486
2008B	Providing and fixing G.I. chain link fabric fencing(Made of G.I. wire of dia. 4 mm, PVC coated to achieve outer dia not less than 5 mm in required colour and shade) of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge.	SQM	200	0.00249513

VOLUME-III PRICE SCHEDULE, REV-00				
JOB: Civil Enabling works for Closed Storage Shed, Road, Drain, Open Storage Yard, Site office, & Miscellaneous Works at 1x800MW, STPP, Singareni, Telangana.				
TENDER NO - PSER:SCT:SNG-C2238:23				
SCH-2: BREAK UP OF TOTAL PRICE				
BIDDER'S NAME	0			
ST. NO	DESCRIPTION OF ITEM	UNIT	Quantity	Weightage
2008	Supply, fabrication and fixing of mild steel posts for fencing including painting etc all complete.	MT	3	0.00411204
2010	Supply, fabrication and installing in position and testing MS Gates out of channels, joists, angles, flats, plates, pipes, welded steel wire mesh & sheets including stiffeners, bracings, fabricated hinges, MS Aldrops with locking arrangement, tempered steel pivot, guide track of MS Tee, bronze aluminium ball bearing arrangements, castor wheels, paintings etc. all complete.	MT	1	0.00144911
2100	WATER SUPPLY: Water supply work including men, material (unless otherwise specified in BOQ/contract specification), equipment etc. at all level as per specification, drawings and as directed by engineer - in - charge for the following: (Supply of cement is in scope of contractor)			
2101	Providing and Fixing in position tested heavy duty type chromium plated (CP) brass long neck bib cocks including sockets, union, nuts etc all complete - 15mm nominal bore.	EACH	5	0.00009649
2102	Providing and Fixing in position heavy duty brass stop cock of approved quality including all specials etc all complete - 15mm nominal bore.	EACH	5	0.00007806
2103	Providing and Fixing in position heavy duty brass full way valve with wheel of approved quality including all specials etc all complete for following sizes:			
a	25mm nominal bore.	EACH	5	0.00007241
b	50mm nominal bore.	EACH	5	0.00018878
2105	Providing and Fixing GI pipes class B complete for external work with GI sockets, unions, elbows, tees, nipples etc including trenching & refilling, anti-corrosive paint etc all complete for following sizes:			
a	15 mm nominal bore.	RM	300	0.00151021
b	20 mm nominal bore.	RM	300	0.00168531
c	25 mm nominal bore.	RM	300	0.00196984
d	50 mm nominal bore.	RM	300	0.00349100
e	75mm nominal bore.	RM	300	0.00474951
2106	Providing and Fixing 750mmx450mmx6mm thk mirror from reputed mirror manufacturer. Mirror shall be mounted with glass adjustable revolving CP brackets with CP screws etc all complete.	EACH	10	0.00017765
2108	Providing and Fixing 25 mm diameter stainless steel towel rails (600mm X 25mm) with C.P. mounting brackets all complete.	EACH	10	0.00017656
2111	Providing and Fixing stainless steel / C.P. liquid soap dispenser. Dispenser shall be round and easily revolving with removable threaded nozzle and mounted on C.P. brackets etc all complete.	EACH	10	0.00010141
2112	Providing and Fixing SS (stainless steel) wall mounted paper holder with suitable cover cum cutter fitted with SS screws etc. all complete.	EACH	10	0.00014044
2113	Providing and Fixing chromium plated brass shower rose 100mm dia with 15 or 20 mm inlet dia all complete.	EACH	10	0.00014300
2114	Providing and Fixing in position P.V.C. water tank of Syntex or approved equivalent including making all necessary inlet & outlet pipes, fixture, ball cocks, valves etc all complete for following capacities. GI pipes shall be paid separately under ST No. 2105.			
a	500 litres capacity	EACH	2	0.00027702
b	1000 litres capacity	EACH	2	0.00049115
c	2000 litres capacity	EACH	2	0.00110216
2200	SANITARY: Sanitary work including all labour, material (unless otherwise specified in BOQ/contract specification), equipment etc. at all level as per specification, drawings and as directed by engineer - in - charge for the following: (Supply of cement is in scope of contractor)			
2203	Providing and Fixing stainless steel kitchen sink of size 610x510x200mm conforming to IS: 13983 including all fittings etc. all complete.	EACH	2	0.00016656
2207	Providing and Laying and jointing UPVC pipes of class 3 as per IS:4985 including bends, branches and all other necessary fittings, M.S holder bats/clamps, cutting and making good the walls and floors, jointing, testing etc all complete for following.			
a	75mm dia pipes	RM	100	0.00060919
b	110mm dia pipes	RM	100	0.00097763
A2207	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :			
a	100mm dia pipes	RM	100	0.00067485
b	150mm dia pipes	RM	100	0.00085725
2209	Providing, laying light duty non pressure NP2 class RCC pipes with collars jointed with stiff mixture of cement mortar 1:2 including testing of joints etc complete for following.			
d	450mm dia	RM	158	0.00453310
e	600mm dia	RM	25	0.00085086
2211	Providing and Fixing C.I Manhole heavy duty cover of size 600mmx450mm including frame from reputed manufacture etc. all complete.	EACH	2	0.00024521
2300	STRUCTURAL WORKS: Structural steel works including all labour, material (unless otherwise specified in BOQ/contract specification), equipments unless otherwise specified, transportation, handling etc. at all level as per specification, drawings and as directed by engineer - in - charge for the following:			
A2301	Supply, Fabrication, erection and alignment of structural steel with mild steel rolled section / built up section / combination of both conforming to IS:2062, tubular sections conforming to IS:1161/ IS:1239 for roof truss, purlin etc including all materials conforming to relevant IS codes, labour etc as per drawing, specification and direction of engineer with one coat of primer and two coats of synthetic enamel painting (Contractor will provide structural steel from JINDAL /BANSAL/ TATA/ SHYAM STEEL/ RINL etc).	MT	10	0.01459142
2313A	Dismantling of old steel structure (column, truss, purlin, wind ties, gates, etc. of partly covered and partly semi covered Store), lowering of material and carriage of the dismantled material up to field fabrication shop / projects storage including temporary dismantling, cutting, re-welding, supporting, and restoring to correct position at new location all temporarily dismantled members, realignment of all adjacent connected members to their correct positions at new location, with one coat of primer and two coats of synthetic enamel painting (weight of such adjacent members and temporarily dismantled members not payable), drawing, scaffolding, staging, tools & tackles, gas cutting, welding, consumables etc all complete. Area for new location of the Store as per directions of BHEL engineer.	MT	10	0.00156128

VOLUME-III PRICE SCHEDULE, REV-00				
JOB: Civil Enabling works for Closed Storage Shed, Road, Drain, Open Storage Yard, Site office, & Miscellaneous Works at 1x800MW, STPP, Singareni, Telangana.				
TENDER NO - PSER:SCT:SNG-C2238:23				
SCH-2: BREAK UP OF TOTAL PRICE				
BIDDER'S NAME	0			
ST. NO	DESCRIPTION OF ITEM	UNIT	Quantity	Weightage
A2334	Transportation from BHEL store, wire brush cleaning, painting with minimum two coats of synthetic enamel paint over primer to steel structures (column, truss, purlin, wind ties, gates, etc.), erection, alignment using MS bolts, welding, etc., pivots & aldrops for MS gates, etc. where ever required as per directions of BHEL engineer.	MT	10	0.00039032
2400	ROAD WORKS: Road works including all labour, material (unless otherwise specified in BOQ/contract specification), equipment, transportation etc. as per specification drawing, relevant IRC & IS codes and as directed by the Engineer-in-charge for the following:			
2401	Preparation of sub grade by excavating earth to required depth for all types of soil/ rock, dressing to camber and consolidating the base including making good the undulation etc and disposal of surplus earth within a lead upto 1 km etc. all complete.	CUM	1000	0.00098492
2404	Providing & laying water bound macadam sub base course in layers of required thickness with crushed stone aggregates 90 to 40 mm down size (IRC 19 - grading -1), stone screening & blinding material including screening, sorting, spreading to template & consolidation with road roller including carriage, spreading & consolidation of blinding material moorum etc all complete.	CUM	250	0.00692180
2405	Providing & laying water bound macadam base course in layers of required thickness with stone aggregate 63mm to 40mm size (IRC-19 grading-2), stone screening and blinding material including screening sorting, spreading to template and consolidation with road roller including carriage, spreading and consolidation of blinding material moorum etc all complete.	CUM	250	0.00692180
	Total			1.00000000
Complete material including Cement, RS Steel, Str Steel, etc. as may be required for completion of the work, are to be provided by the contractor within the accepted rates, unless otherwise noted/ mentioned elsewhere in the BOQ /Contract.				