VOLUME-III PRICE SCHEDULE, REV-00

JOB: CONSTRUCTION OF 3 NOS NEW COVERED STORES, RELOCATING OF 02 NOS OLD STORE (PARTLY COVERED AND PARTLY SEMI COVERED) AND 03 NOS DOG HOUSE, HARD SURFACING, BRICK SOLING, AREA DEVELOPMENT OF OPEN YARD, AREA FENCING, MAKING OF CONCRETE SLEEPERS, RENOVATION OF BHEL OFFICE & RESIDENTIAL COMPLEX AND OTHER CIVIL MISC. ENABLING WORKS ETC. JOB AT 1 X 660 MW, UNIT#5 SAGARDIGHI THERMAL POWER PROJECT, WB.

TENDER NO - PSER:SCT:SDG-C2069:20

PREAMBLE DESCRIPTION SL NO 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 any where 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 enclosd with the tender are only preliminary and for guidence/tender purposes giving some idea of the work involved. The work is to be executed as per terms & conditions of the tender and actual drawings/documents, which shall be furnished during execution. Items of work provided in this schedule but not covered in this specification shall be executed strictly as per instruction of the engineer. 3 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. The quantities of the various items mentioned in this schedule of items are approximate, based on very preliminary information and may vary to any extent or be deleted 5 altogether. The quoted rates of each item will remain firm throughout the period of execution including extension, for reasons whatsoever, as long as variation in the total value of work executed under any part of this contract including extra items, if any but excluding any price variation remains, within plus minus fifteen percent (± 15%) of the awarded price as per LOI. 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 and approval to 6 be obtained before execution of further quantity for this item. In case Sealed /Paper Price Bids are opened for finalisation of the tender, for any Item Rate/BOQ based service 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. 8 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. The rates of unit rate/optional items shall remain valid till execution of the order, if the job/work is awarded to the bidder. 9 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 avalable in the rate schedule, the same shall be considered 10 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. 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 12 The tender shall be deemed to have visited site and made himself aware of all the site conditions, studied the specifications and details of work to the 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. 13 No splitting of the job is envisaged unless the same is specifically indicated in the TCC/Vol-1F. Decision of BHEL in this regard shall be final and binding to the bidders 14 Bidders are not allowed to alter the Price Schedule format including item description, guantity 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. 15 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. The same modality shall be applicable for other item rate sevice contracts where item with same decription is repeated in different schedules. 16 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. 17 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. In case of tender for Civil and/or Structural works, if the Non-schedule items are not quoted by the bidder, it will be treated at par with rate of corresponding item of 18 CPWD/PWD/DSR schedule as prescribed in the tender/BOQ cum Rate Schedule. PVC/escalation is not payable for these Non-scheduled items 19 No interest, whatsoever, shall be payable by BHEL on the security deposit, any bank guarantee submitted or any amount due to successful bidder/contractor. No idling charge whatsoever (either for labour or any other resources) is payable by BHEL for any reason whatsoever. 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 20 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. 21 Bidder's Total price shall be considered for evaluation unless stated otherwise. 22 In case of BOP packages, if Bidder does not quote/indicate the price for freight charges against indicated rate schedule, the same shall be considered as 2% of basic price and adjusted with the total quoated price against each item keeping the total quoted price unaltered.

VOLUME-III PRICE SCHEDULE, REV-00

JOB: CONSTRUCTION OF 3 NOS NEW COVERED STORES, RELOCATING OF 02 NOS OLD STORE (PARTLY COVERED AND PARTLY SEMI COVERED) AND 03 NOS DOG HOUSE, HARD SURFACING, BRICK SOLING, AREA DEVELOPMENT OF OPEN YARD, AREA FENCING, MAKING OF CONCRETE SLEEPERS, RENOVATION OF BHEL OFFICE & RESIDENTIAL COMPLEX AND OTHER CIVIL MISC. ENABLING WORKS ETC. JOB AT 1 X 660 MW, UNIT#5 SAGARDIGHI THERMAL POWER PROJECT, WB.

	TENDER NO - PSER:SCT:SDG	G-C2069:20					
	SCH-1 : TOTAL PRIC	E					
SL NO	DESCRIPTION						
1.0	TOTAL PRICE FOR CONSTRUCTION OF 3 NOS NEW COVERED STORES, RELOCATING OF 02 NOS OLD STORE (PARTLY COVERED AND PARTLY SEMI COVERED) AND 03 NOS DOG HOUSE, HARD SURFACING, BRICK SOLING, AREA DEVELOPMENT OF OPEN YARD, AREA FENCING, MAKING OF CONCRETE SLEEPERS, RENOVATION OF BHEL OFFICE & RESIDENTIAL COMPLEX AND OTHER CIVIL MISC. ENABLING WORKS ETC. JOB AS PER TENDERED SCOPE.	SCH 2 - BREAK UP OF TOTAL PRICE	<u>IN FIGURES:-</u> IN WORDS:-				
2.0	NON-SCHEDULE ITEM Quote % above or % below or at par Delhi Schedule of Rates 2018 for items not covered as above of this schedule. The rate shall be derived from Delhi Schedule of Rates 2018 applicable for SCH-3,SCH-4, SCH-5 & SCH-6.						
1a)	Rate of complete item	% above/% below /At par D	elhi Schedule of Rates 2018				
1b)	Rate of supply of material at site only		elhi Schedule of Rates 2018				
1c)	Rate for execution complete excluding supply of materials.	% above/% below /At par D	elhi Schedule of Rates 2018				
NOTE							
1.0 2.0	 Bidder shall quote total price for total price of SCH-1- Part only at sl no 1 above. All will be derived based on allocated percentages. As such, any uncalled figure/ amou will stand null & void. Bidder to note that total price at sl no 1.0 above shall be considered for evaluation & the full scope defined and considering all terms and conditions. 	Int noted at any other place/ schedu	le of Volume-III will not be recknoed 8				
3.0	Bidder to note that SCH-3 covers scope of job for Renovation of BHEL accommoda		enabling construction Work.				
4.0	Bidder to note that SCH-4 covers scope of job for Civil- OPEN YARD AND OTHER	S.					
5.0	Bidder to note that SCH-5 covers scope of job for Civil - STORE SHED.						
6.0	Bidder to note that SCH-6 covers scope of job for Civil - SAFETY PARK.						
7.0	Bidder's quoted total price of SCH-3, SCH-4, SCH-5 & SCH-6 at SI. no 1 above re based on allocated percentages against respective item, in respective schedules/ p schedules/ parts and any amount/ rate quoted against any item shall not be taken in	arts. As such, bidder shall not indica	ate/ quote any amount/ rate in these				
8.0	Based on the itemwise percentage allocations, the amount for the individual items of be derived from the amount against each items and its quantity after rounding off to rounding off the gross amount to two decimal points. Any adjustment, if required, du	upto 2 decimal places. However, R	A bill payment shall be done after				
9.0	Bidders to note that this is an item rate contract. Payment shall be made for the act above.	ual quantities of work executed at th	e unit rate arrived at as per SI No.7.0				
10.0	Any item as per scope of work, if not included in the price quoted above and shown rejection.	separately will not be taken cogniza	ance of and the offer shall be liable for				
11.0	Price format shall not be changed by bidder in any case and it may lead to cancella	tion of their offer.					
12.0	The quoted price shall be excluding GST including freight on FOR site basis.						
13.0	The quantity of items may vary during execution mainly due to actual requirement e BHEL shall be considered and no separate unit rates shall be allowed. Unit rates sh						
14.0	For payment of non schedule items, the rate shall be derived from DSR - 2018.						

	VOLUME-III PRICE SCHEDULE, REV-00		
HOUSE,	NSTRUCTION OF 3 NOS NEW COVERED STORES, RELOCATING OF 02 NOS OLD STORE (PARTL HARD SURFACING, BRICK SOLING, AREA DEVELOPMENT OF OPEN YARD, AREA FENCING, M/ ENTIAL COMPLEX AND OTHER CIVIL MISC. ENABLING WORKS ETC. JOB AT 1 X 660 MW, UNIT#5	AKING OF CONCRETE SLEEPERS, RE	NOVATION OF BHEL OFFICE
	TENDER NO - PSER:SCT:SDG-C2069:20)	
	SCH-2 : BREAK UP OF TOTAL PRICE		
SL NO	DESCRIPTION	PRICE SCHEDULE REF	WEIGHTAGE
1.0	TOTAL PRICE FOR CONSTRUCTION OF 3 NOS NEW COVERED STORES, RELOCATING OF 02 NOS OLD STORE (PARTLY COVERED AND PARTLY SEMI COVERED) AND 03 NOS DOG HOUSE, HARD SURFACING, BRICK SOLING, AREA DEVELOPMENT OF OPEN YARD, AREA FENCING, MAKING OF CONCRETE SLEEPERS, RENOVATION OF BHEL OFFICE & RESIDENTIAL COMPLEX AND OTHER CIVIL MISC. ENABLING WORKS ETC. JOB AS PER THE TENDERED SCOPE.		
а	ENABLING CIVIL- Renovation of BHEL accommodation and BHEL Site office and Misc enabling construction Work	SCH 3 - CIVIL-RENOVATION	0.0354534
b	ENABLING CIVIL- OPEN STORAGE YARD AND OTHERS	SCH 4 - CIVIL-OPEN STORAGE YARD AND OTHERS	0.2911763
С	ENABLING CIVIL-STORE SHED	SCH 5:-ENABLING CIVIL- STORE SHED	0.62036603
d	ENABLING CIVIL-SAFETY PARK	SCH 6:-ENABLING CIVIL- SAFETY PARK	0.0530042
2.0	TOTAL ALLOCATED PERCENTAGE (1a + 1b + 1c + 1d)	'	1.00000000

URFACI	PRICE SCHEDULE, REV-00 NSTRUCTION OF 3 NOS NEW COVERED STORES, RELOCATING OF 02 NOS OLD STORE (PARTLY COVERED AND PARTLY SEMI NG, BRICK SOLING, AREA DEVELOPMENT OF OPEN YARD, AREA FENCING, MAKING OF CONCRETE SLEEPERS, RENOVATION IVIL MISC. ENABLING WORKS ETC. JOB AT 1 X 660 MW, UNIT#S SAGARDIGHI THERMAL POWER PROJECT , WB.			
	TENDER NO - PSER:SCT:SDG-C2069:20			
SL NO	SCH 3:-ENABILING CIVIL- Renovation of BHEL accommodation and BHEL Site office and Misc enabling c DESCRIPTION OF ITEM	UNIT	Vork. QTY	Weightage
1	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead	onn	u	Weightage
2	up to 50 m and lift up to 1.5 m. For all kinds of soil Providing and laying cement concrete (I cement:3 sand:6 stone chips graded 20 mm down) excluding shuttering and reinforcement for	SQM	500	0.0001657
	flooring, paving, sanitary pan fixing, misc work with cost of cement and all materials, labour etc complete.	CUM	10	0.0008523
3	Providing and laying cement concrete (I cement: 1.5 sand : 3 stone chips graded 20 mm down) excluding shuttering and reinforcement, with cost of cement and all materials, labour etc complete.	CUM	20	0.0019637
4	Hire and labour charges for shuttering with centreing and necessary pops for foundation, trenches, drains, column,plinth beams, slab of septic tank etc with hard wood planks of 25 mm thickness including fitting, fixing and striking out after completion of work below plinth level with all labour,materials etc.	SQM	20	0.0000775
5	Providing reinforcement for reinforced concretework in all sorts of structures including distribution bars, straiphening, cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection for foundation, trenches, drain, column, beams, slabs, chajias et at all elevation, complete as per drawing and direction. (Contractor will provide reinforcement from SAIL/ TISCO/IISCO/ RINL/ SRMB/ CONCAST/ SHRICON/ SHYAM STEEL etc)	MT	0.5	0.0005685
6	Providing 250 mm thick brick masonry work with Class designation 7.5 in cement sand morter (1:6) in superstructure above plinth level, walls and above ground work upto a height of 3.0 mtr with cost of cement and all materials, labour complete.	CUM	40	0.0041345
7	Providing 125 mm thick brick masonry work with Class designation 7.5 in cement sand morter (1:4) in foundation and below plinth level, drains, trenches, walls at all height with cost of cement and all materials, labour complete.	SQM	20	0.0002107
8	Brick soling with picked jhama bricks including preparation of bed as necessary with brick joints properly filled in and packed with powered earth and including necessary cushion of similar material below the soling(and in between layers when more than one layer is used) complete as per direction. (a) Single brick flat soling (thickness 75 mm.)	SQM	100	0.0004412
9	Repairs to plaster in patches to the existing masonry/concrete wall, floor, ceiling etc after cutting/chipped off damaged plaster & removal including disposal of rubbish to the dumping ground, plastering the surface (12 mm to 20 mm thick for inside or outside at all elevation.) of the walls complete with cement mortar 1.4 (1cement: 4 coarse sand) including rounding off or chamfering corners with all labour, scaffolding, materials complete as directed by engineer.	SQM	500	0.0029250
10	Providing 12mm thick plaster inside the building/boundary wall in cement mortar 1:6 on walls finished to a smooth finish as per specification all complete.	Sqm	1000	0.0035888
11	Neat cement punning average 1.5 mm thick in wall, dado, window sills, floor drain,roof top repair etc.	SQM	1000	0.0008544
12	Breaking of existing brick work at all levels including plastering, removing the rubbish up to a distance of 500 m including transportation, loading, unloading etc. all complete as directed by the engineer.	CUM	0.5	0.0000100
13	Providing and applying plaster of Paris putty of 2 mm thickness over plaster surface to prepare the surface even and smooth complete.	SQM	500	0.0013392
14	Applying one or more coats of water proofing cement paint of Seacem or equivalent over single coat of primer on old or new surfaces of walls including rain water/ sewer pipes (pipes to be measured on outer surface area basis) including preparation, scraping of surface, curing with all materials , labour, scaffolding etc complete including cost of Priming coat. After completion of painting rooms/ areas are to be handed over with neat and clean condition.From ground floor to roof outside building.	SQM	1000	0.0011874
15	Providing one or more coats of 1st quality acrylic washable distemper (ready made) of approved manufacturer with pigments of any shade on walls, false ceilings etc including cleaning, scraping and smoothing of old surface throughly, including all materials, labour, scaffolding etc complete, After completion of painting rooms/ areas are to be handed over with neat and clean condition.	SQM	1000	0.0006543
16	Providing one or more finish coats of synthetic enamel paint over single coat of primer of Berger Jadu or equivalent on old or new plastered surface/ concrete/ wooden/ steel surfaces of any structures/ doors/ windows/ cupboard, gratings, chad plates, platforms, faise ceilings, rolled steel sections like angle 65x65x6 mm or higher, ISMB and channels of 90 mm or higher, pipe 65 mm dia or higher etc including scraping, cleaning, smoothing/ preparation of surface etc with all labour, materials complete including cost of Priming coat.	SQM	500	0.0005443
17	Cleaning of chocked sewer line of misc dia for all depth including removal of sewerage and disposal of same by mechanical method , all as per the direction of Engineer-in-charge.	RM	30	0.0001049
18	Supplying, fitting, fixing PVC "P" OR "S " trap (100 mm) after removal of existing damaged fittings as per direction of BHEL.	NO	10	0.0000426
19	Providing and fixing white vitreous European water closet of Hindustan make or equivalent with PVC seat white colour, PVC flush pipe etc. complete with all labour and material,	NO	5	0.0003582
20	Dismantling W.C. Pan of all sizes including disposal of dismantled materials i/c malba all complete as per directions of Engineer-in- Charge.	EACH	5	0.0000065
21	Providing and fixing ((Including removal of old damaged)White solid plastic seat with lid for W.C. pan complete :	NO	20	0.0001555
22	Providing and fixing low level PVC low down cistern 10 ltr capacity, PVC flush pipe etc complete with all fittings, labour and material.	NO	5	0.0000680
23	Supplying fitting & fixing PVC pipes (Including removal of old damaged pipes) of Oriplast or equivalent make with all necessary accessories, specials viz GI socket, GI bend, GI tee, union cross, short piece etc fitted with holder bats clamps, including cutting pipes, making threads, etc complete in all respects including removal of old and damaged pipes (if required), cost of all necessary fittings as required, jointing materials, in any position. Payment will be made on the centre line measurements of the total pipe line including all specials. No separate payment will be made for accessories, specials.			
24	15 mm dia medium quality.	RM	10	0.0000388
25	20 mm dia medium quality	RM	10	0.0000468
26	25 mm dia medium quality	RM	20	0.0001192
27	32 mm dia medium quality	RM	20	0.0001442
28	40 mm dia medium quality	RM	10	0.0000871
29	50 mm dia medium quality	RM	10	0.0001071
30	Supplying fitting and fixing (Including removal of old damaged valve) Gun Metal full way valve of local best quality (for water lines).	NO	5	0.0000313

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	TENDER NO - PSER:SCT:SDG-C2069:20			
	SCH 3:-ENABILING CIVIL- Renovation of BHEL accommodation and BHEL Site office and Misc enabling o			
SL NO	DESCRIPTION OF ITEM	UNIT	QTY	Weightage
	Providing and fixing (Including removal of old damaged) PTMT stop cock of approved quality and colour 15 mm nominal bore, 86 mm long, weighing not less than 88 gms	NO	5	0.00000794
32	Providing and fixing (Including removal of old damaged) PTMT bib cock of approved quality and colour 15 mm nominal bore, 165 mm long, weighing not less than 110 gms	NO	10	0.00002407
	Providing PVC pipe (110mm dia, Type-A) with fittings and fixtures (Bend 87.5° of 110 mm dia,coupler.single tee with door,Shoe,pipe clip, bolts,nuts and washers etc as applicable) of FinOlex / Utkarsh India / Supreme or equivalent make as per IS-13592:1982 with all materials, labour, etc (Including removal of old damaged) complete for rain water pipes, external sewer line/ waste water line connection upto open drain or manhole to manhole/ septic tank/ soak pit, as directed by BHEL.	RM	30	0.00113551
	Replacing broken glass panes and refixing with new 4 mm thick glass,with putty and nails wherever necessary including racking out the old putty for steel/wooden window/ doors etc complete with all labour and materials	SQM	20	0.00024253
35	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	NO	4	0.00006989
36	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	NO	5	0.00001080
37	Supplying fitting & fixing PTMT grating/ jali net type for fixing over P or S trap, 100/ 150 mm dia.	NO	10	0.00000698
38	Supplying , fitting & fixing CP brass shower rose with 15 or 20 mm inlet of locally best quality including removal of damaged shower.			
39	100 mm diameter	EACH	3	0.00000621
40	150 mm diameter	EACH	3	0.00000771
	Providing white vitreous wash basin of Hindustan or equivalent and size 550x400 mm, with all fittings, PVC drain pipe, brass union, Cl brackets, CP brass pillar cock, brass stop cock, etc complete.	NO	2	0.00007753
42	Disconnecting damaged overhead/terrace PVC water storage tank of any size from water supply line and removing from the terrace including shifting at ground level as per direction of Engineer-in- charge.	EACH	8	0.00003462
43	Providing & fixing in position polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement. The work to include making all necessary inlet & out-let pipes, fixture,ball cocs, heavy duty overflow ball valves etc all complete as per specification and direction of Engineer-in- charge. at all heights and levels.	PER LITRE	16000	0.00191733
	Providing and fixing /replacing oxidised M.S. casement stays (straight peg type), casement stays locks with necessary screws, washers etc. complete.	NO	20	0.00001400
45	Supplying annodised alluminium sliding door bolt, fitted and fixed with brass screw: 300 mm long x 16 mm dia bolt.	NO	10	0.00003502
46	Supply annodised aluminium tower bolt 200 mm long, fitted and fixed complete.	NO	10	0.00001226
47	Taking out existing wooden door shutter, repair by cutting, applying a protective coat of painting etc. and refixing of repaired door shutters to existing door frames, including replacement of hinges with screws, etc. as required, all complete as per the direction of the Engineer-in charge. Finish painting will be done as per relevent items.	EACH	10	0.00004056
	Renewing existing damaged Frames of wooden door/window/partition/misc conforming to IS:4021 made of best quality seasoned and chemically treated hollock wood free from large or loose knots, cracks or other defects including sand paper smoothening, hold fasts, beading, primer and finish painting/ polishing etc all complete with proper wood joinery, accurately set to required lines or levels and rigidly secured in place. Finish painting/ polishing included along with all materials,holdfasts,tools etc.	СЛМ	0.75	0.00073275
	Repairing of damaged CGI sheet with new sheet and fixing the same with all materials, labours, etc complete. New CGI sheet/ cut pieces of new CGI sheet 0.63 mm thick with zinc coating not less than 275 gm/ m² to be provided for damaged portion only. Payments will be made for new sheet only.	SQM	50	0.00062300
50	Providing ridges or hips of width 60 cm over all width plain G.S. sheet (0.63 mm thick with zinc coating not less than 275gm/Sq.M) fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter G.I. limpet and bitumen washers all complete.	RM	30	0.00029011
	Roof treatment over existing old CGI roof: Cleaning of old/ existing roof sheet, Providing and fixing APP (Atactic Polypropylene Polymer) modified prefabricated five layer, 3 mm thick water proofing membrance, black finished reinforced with glass fibre matl consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrance manufacture of density at 25°C, 0.87 - 0.89 kg/ litre and viscocity 70 - 160 cps. Over the primer coat the layer of membrane shall be laid using Butane torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 350/300 N / 5 cm. Tear strength in longitudinal and transverse direction as 60/80N.Softening point of membrane on tess than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacture of membrane.	SQM	300	0.00209552
	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	SQM	10	0.00014030
	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey,Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	SQM	50	0.00063110
54	Providing and fixing of overhead hydraulic door closer of Godrej make or equivalent as directed by Engineer-In-Charge.	NO.	5	0.00006833
54				

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SURFAC	INSTRUCTION OF 3 NOS NEW COVERED STORES, RELOCATING OF 02 NOS OLD STORE (PARTLY COVERED AND PARTLY SEM ING, BRICK SOLING, AREA DEVELOPMENT OF OPEN YARD, AREA FENCING, MAKING OF CONCRETE SLEEPERS, RENOVATION CIVIL MISC. ENABLING WORKS ETC. JOB AT 1 X 660 MW, UNIT#5 SAGARDIGHI THERMAL POWER PROJECT , WB.			
	TENDER NO - PSER:SCT:SDG-C2069:20			
	SCH 3:-ENABILING CIVIL- Renovation of BHEL accommodation and BHEL Site office and Misc enabling of	onstruction V	Nork.	
SL NO	DESCRIPTION OF ITEM	UNIT	QTY	Weightage
56	Fencing with angle iron post placed at required distance embedded in cement concrete blocks, every 15th post, last but one end postand corner post shall be strutted on both sides and end post on one side only and provided with horizontal lines and two diagonalsinterwoven with horizontal wires, of barbed wire weighing 9.38 kg per100 m (minimum), between the two posts fitted and fixed with G.1staples, turn buckles etc. complete. (Cost of posts, struts, earth work and concrete work to be paid for separately). Payment to be made per metre cost of total length of barbed wire used.			
	for G I barbed with all fixing etc complete.	RM	7000	0.0018158
57	Supplying at site Angle iron post & strut of required size including bottom to be split and bent at right angle in opposite direction for 10 cm length and drilling holes upto 10 mm dia. etc. complete.	KG	1500	0.0018873
58	Transportation from BHEL store, erection & fixing of GI Sheet for chajja over exsisting balcony having smooth gradual slope curvature for easy drainage of water and duly reinforced by necessary steel frame with painting. fixing arrangement by anchor fastner, 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.(GI Sheet and Steel for making steel frame will only be supplied by BHEL)	SQM	75	0.0002463
59	Providing Mattress for 6.5feet x3.5feet single size bed (FOR FIELD HOSTEL)	NOS	35	0.0022581
	TOTAL PRICE			0.0354534

	VOLUME-III PRICE SCHEDULE, REV-00			
03 NOS I RENOVA	NSTRUCTION OF 3 NOS NEW COVERED STORES, RELOCATING OF 02 NOS OLD STORE (PAR DOG HOUSE, HARD SURFACING, BRICK SOLING, AREA DEVELOPMENT OF OPEN YARD, ARE ATION OF BHEL OFFICE & RESIDENTIAL COMPLEX AND OTHER CIVIL MISC. ENABLING WORK L POWER PROJECT, WB.D OTHER CIVIL MISC. ENABLING WORKS ETC. JOB AT 1 X 660 MW, , WB.	A FENCIN S ETC. JO	IG, MAKING OF (DB AT 1 X 660 MV	CONCRETE SLEEPERS, V, UNIT#5 SAGARDIGHI
	TENDER NO - PSER:SCT:SDG-C2069:20			
	SCH 4:-ENABLING CIVIL- OPEN YARD & OTHERS			
ST NO	DESCRIPTION OF ITEM	UNIT	QTY	Weightage
100	EARTH WORK: Earth work In excavation, backfilling and disposal including all labour, equipments etc complete 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.			
а	Depth from ground level but not exceeding 2 m	Cum	1000	0.00257736
107	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 from compulsorily excavated earth available within a lead upto 1Km and compacted as specified including re-excavation of stacked earth, watering, ramming/compaction by manual / mechanical means, dressing etc all complete.for the following.			
а	Each layer compacted so as to achieve at least 90% maximum dry density as per IS-2720 (Part-VII)	Cum	1000	0.00257336
200	CONCRETE WORK: Providing and placing concrete work including cost of labour, materials (unless otherwise specified in BOQ / contract specification) 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 (Supply of cement is in the scope of contractor).			
202	Concrete of grade M10 (1 part cement, 3 part sand, 6 parts of 40 mm 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	50	0.00426164
204	Concrete of grade M20 (1 part cement, 1.5 part sand, 3 parts of 20 mm graded aggregate by volume) under floors, paving, plinth protection, pipe encasing etc complete.	Cum	100	0.00981891
300	FORMWORK: Providing, fixing and removing formwork at all elevations for all structures, as per specifications and including all labour, material, scaffoldings and centereing etc. complete as per drawing, specifications and as per direction of engineer in charge for the following.			
301	Fairface form work with good quality water proof ply wood of minimum 12mm thickness and smooth surface below finished ground floor level 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	500	0.00193947
302	Fairface form work with good quality water proof ply wood of minimum 12mm thickness and smooth surface above finished ground floor level for columns, beams, suspended floors, roofs, lintels, cantilevers, staircases, landings, balconies, etc. including chamfering of edges as per drawing.for all heights as per specification, drawing and instruction of engineer in charge.	Sqm	50	0.00037587
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.			
402	Providing, straightening, cutting, bending, placing in position at all level, binding in position of steel reinforcements of TMT steel of grade Fe-500D 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. (Supply of reinforcement is in the scope of contractor).	MT	3	0.00341117
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.			
1001	Providing 250 mm thick brick masonry work with Class designation 75 in cement sand morter (1:6) in superstructure above plinth level, walls and above ground work upto a height of 3.0 mtr with cost of cement and all materials, labour complete.			

	VOLUME-III PRICE SCHEDULE, REV-00			
03 NOS RENOVA	NSTRUCTION OF 3 NOS NEW COVERED STORES, RELOCATING OF 02 NOS OLD STORE (PAR DOG HOUSE, HARD SURFACING, BRICK SOLING, AREA DEVELOPMENT OF OPEN YARD, ARE ATION OF BHEL OFFICE & RESIDENTIAL COMPLEX AND OTHER CIVIL MISC. ENABLING WORF L POWER PROJECT, WB.D OTHER CIVIL MISC. ENABLING WORKS ETC. JOB AT 1 X 660 MW, , WB.	EA FENCIN KS ETC. JO	NG, MAKING OF OB AT 1 X 660 M	CONCRETE SLEEPERS, W, UNIT#5 SAGARDIGHI
	TENDER NO - PSER:SCT:SDG-C2069:20			
	SCH 4:-ENABLING CIVIL- OPEN YARD & OTHERS			
ST NO	DESCRIPTION OF ITEM	UNIT	QTY	Weightage
d	Using burnt clay bricks of class designation 7.5 of nominal dimension	Cum	50	0.00516811
1200	1200PLASTERING: 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.			
1202	Providing 12mm thick plaster inside the building/boundary wall in cement mortar 1:6 on walls finished to a smooth finish as per specification all complete.	Sqm	200	0.00071777
1816	Providing attach/ common toilet with following facilities as directed by BHEL : (a) 5mm thick white colour ceramic floor tile & inside wall tile upto 2.0mtrs height from finish floor (b)1 CP towel rail 550mm long, 1 best quality 550mm x 400mm mirror, etc complete, (d) 1 European/Indian type WC pan with seat and lid black colour (Hindustan make or equivalent approved make), low level 10 Itrs capacity white PVC flushing cistern, one no. two in one bibcock fitted with hand shower of approved make etc. All inside pipe lines shall be 15mm/20mm PVC & concealed pipes.Main external supply water pipe lines shall be 25mm dia PVC and provided upto ground floor along exterior wall, complete in all respect including testing. Seperate hot and cold water plumbing lines fitted bibcocks / pillar cock shall be provided for shower/bath area and wash basin. One 6L storage capacity standard Gyeser of approved make shall be provided and fitted with the Hot a nd Cold water lines. Soil pipe shall be min 75mm dia CI for below floor if any & outside shall be 100 mm PVC of supreme or equivalent. Masonry, plastering, tiling and painting will be paid seperately as per respective items. (rate in lumsum for each set of toilet).	PER SET	2	0.00187487
1825	Construction of Septic Tank & Soak pit for 25 users and Water Tank -PVC/uPVC type 1000L capacity & Installation .	Nos	2	0.00462687
2000	2000FENCING 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 (Supply of cement is in the scope of contractor).			
2008A	Fencing with angle iron post placed at required distance embedded in cement concrete blocks, every 15th post, last but one end postand corner post shall be strutted on both sides and end post on one side only and provided with horizontal lines and two diagonalsinterwoven with horizontal wires, of barbed wire weighing 9.38 kg per100 m (minimum), between the two posts fitted and fixed with G.I.staples, turn buckles etc. complete. (Cost of posts, struts, earth work and concrete work to be paid for separately). Payment to be made per metre cost of total length of barbed wire used.	RM	12000	0.00311294
2008B	Supplying at site Angle iron post & strut of required size including bottom to be split and bent at right angle in opposite direction for 10 cm length and drilling holes upto 10 mm dia. etc. complete.	KG	5000	0.00629125
2009A	Supply, fabrication, erection and painting of structural steel work for ms gates / misc. structures in columns, beams, wind ties, etc with simple rolled structural members connected to one with another with brackets gusset cleats, bolts & nuts or welding etc as per design & direction complete including fabrication, hoisting & erection including all materials, labour etc complete with one coat of primer & two coats of synthetic enamel painting (Contractor will provide structural steel of approved brand with test certificate).	MT	2	0.0033567

JOB: CONSTRUCTION OF 3 NOS NEW COVERED STORES, RELOCATING OF 02 NOS OLD STORE (PARTLY COVERED AND PARTLY SEMI COVERED) 03 NOS DOG HOUSE, HARD SURFACING, BRICK SOLING, AREA DEVELOPMENT OF OPEN YARD, AREA FENCING, MAKING OF CONCRETE SLEEPER RENOVATION OF BHEL OFFICE & RESIDENTIAL COMPLEX AND OTHER GIVIL MISC. ENABLING WORKS ETC. JOB AT 1 X 660 MW, UNIT#S SAGARDIGHI THERMAL POWER PROJECT, WE D OTHER CIVIL MISC. ENABLING WORKS ETC. JOB AT 1 X 660 MW, UNIT#S SAGARDIGHI THERMAL POWER PROJECT, WE D OTHER CIVIL MISC. ENABLING WICH COPEN YARD & GAT 1 X 660 MW, UNIT#S SAGARDIGHI THERMAL POWER PROJECT, WE D OTHER CIVIL MISC. ENABLING WICH COPEN YARD & OTHERS TENDER NO - PBER:SCT: SDG-C2069:20 VENDER NO - PBER:SCT: SDG-C2069:20 COMMING SINCE STRUCTURE OF YARD & OTHERS ST NO COM 2000 OTHER CIVIL OPEN YARD & OTHERS ST NO DESCRIPTION OF ITEM UNIT QUEVENTION OF ITEM ST NO DESCRIPTION OF ITEM UNIT QUEVENTION ST NO <		VOLUME-III PRICE SCHEDULE, REV-00			
SCH 4:-ENABLING CIVIL- OPEN YARD & OTHERS ST NO DESCRIPTION OF ITEM UNIT OTY Weightage 2010 Providing and fixing security klock size approx 2M x 2M in plan, front height 3M and back side height 2.9M, made of structural angle frame 65x85x6 all verticals and two horizontals with diagonals, 3 vertical sides and roof shall be covered with colour cated CGI sheet 0.5 MM Inick with side opening 300500M for viewing, floor shall be made with 40 MM thick wooden planks to be provided for siting arrangement inside klock, all angles and planks top side shall be painted with one coat of primer and two coats of synthetic enamel paint finish including testing of joint te with all materials and labour. All excavation, backfilling, concreting if regulared shall be painted with one coat of primer and two coats of synthetic enamel paint finish including testing of joint te with all materials and labour. All excavation, backfilling, concreting if regulared shall be painted with power road roller of 8 to 12 Ionne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road supplus earth with lead upto 1 km etc. all complete. Providing and laging stone pitching up yard / rada with 50mm to 150mm thick boulder in uniform thickness of 200 mm, hand picking the intersites, rolling with 3 wheeled road / vibratory roller 8-10 screening / binding material to fill up intersites of coarse aggregate.watering and company to the explored density and stored to though densites. To 500 mm, breaking the boulders into smaller sizes. 200 mm & beow, laying the boulders of road with 50mm to 150mm thick boulder in uniform thickness of 200 mm, hand picking the intersites, rolling with 3 wheeled road / vibratory roller 8-10 cm acharcity in stages to proper grade and cambree providing and laging stone pitching up and / rada with 50m	03 NOS I RENOVA	NSTRUCTION OF 3 NOS NEW COVERED STORES, RELOCATING OF 02 NOS OLD STORE (PAR DOG HOUSE, HARD SURFACING, BRICK SOLING, AREA DEVELOPMENT OF OPEN YARD, ARE ATION OF BHEL OFFICE & RESIDENTIAL COMPLEX AND OTHER CIVIL MISC. ENABLING WORK L POWER PROJECT, WB.D OTHER CIVIL MISC. ENABLING WORKS ETC. JOB AT 1 X 660 MW,	EA FENCIN (S ETC. J(IG, MAKING OF O DB AT 1 X 660 MV	CONCRETE SLEEPERS, V, UNIT#5 SAGARDIGHI
ST NO DESCRIPTION OF ITEM UNIT QTV Weightage 2011 Providing and fixing security kicsk size approx 2M x 2M in plan, front height 3M and back side height 2.9M, made of structural angle frame 65x65k all verticals and two horizontals with diagonals. 3 vertical sides and roof shall be covered with colour coated CG isheet 0.5 MM thick worden planks (second class treated wood) at an height of 400MM above ground level, one wooden planks (second class treated wood) at an height of 400MM above ground level, one wooden planks (second class treated wood) at an height of 400MM above ground level, one wooden planks (second ga laying PS 2 dass RCC hume pipe with collar joint with adjes and planks top side shall be painted with one coat of primer and two coats of synthetic enamel paint finish including torume pipe with collar joint with silf mixture of cement motar 1:2 including testing of joint etc with all materials and labour. All excavation, backfilling, concreting if required shall be paint seperately as per relevant litems. RM 20 0.0008 2401A excavaling earth to an average of 22.5 cm depth, dressing to camber and consolidating with road suplus earth with lead upot 1 km etc. all complete. RM 20 0.0008 2401A excavaling earth to an average of 22.5 cm depth, dressing to camber and consolidating with road suplus earth with lead upot 1 km etc. all complete. Sq Mtr 7500 0.01 2613B tanking the builter of the literstices, rolling with 3 wheater rol withony meter 8-10 to hore capacity in stages to proper grade and camber, applying and compacing to the required density as directed by					
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 CG is here to 5.6M thick with one side opening 300x300MM for viewing, floor shall be made with 40 MM thick wooden planks 2.0mx450mm size to be provided for sitting arrangement inside kicsk, all angles and planks top side shall be pained with one coat of primer and two coats of synthetic enamel paint finish including testing of joint et with all materials and tabour. All excavation, backfilling, concreting if NOS. 5 0.0029 2006 Providing & laying NP3 class RCC hume pipe with colar joint with stiff mixture of cement mortar 1:2 including testing of joint et with all materials and labour. All excavation, backfilling, concreting if RM 20 0.00006 2011 Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity site excavating gent ho an average of 22.5 cm depth, dressing to camber and consolidating with road surplus earth with lead upto 1 km etc. all complete. RM 20 0.0008 2011 Preparation and consolidation of sub grade with 50mm to 150mm thick boulder in uniform thickness of 200 mm, hand picking the intersites, rolling with 3 wheeled road / vibratory roller 9-10 surplus earth with lead upto 1 km etc. all complete. Sq Mtr 7500 0.01686 2013 Transportation of coal boulder of various sizes up to 500 mm, breaking the boulders into smaller sizes, 200 mm, hand picking the intersites, surging and further filling the voids, rolling and maki		SCH 4:-ENABLING CIVIL- OPEN YARD & OTHERS			
height 2.MM, made of structural angle frame 65x65x6 all verticals and two horizontals with disponsals. 3 vertical sides and roof shall be covered with colour costed CG is here to 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 plade shall be painted with one coat of primer and two coats of synthetic enamel paint finish including concrete base, all abours and materials ext complete. NOS. 5 0.0029 2010 Providing & laying NPS class RCC hume pipe with colar joint with stiff mixture of cement mortar 1:2 including testing of joint etc with all materials and hadour. All excavation, backfilling, concreting if required shall be paid separately as per relevant items. RM 20 0.00008 2 450mm dia RM 20 0.00008 4 60mm dia required shall be group and paid albour. All excavation, backfilling, concreting if required shall be group and undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead upto 1 km etc. all complete. RM 20 0.0018 2613A temperation and consolidation of aub grade and camber, applying and brooming requisite type of surplus earth with lead upto 1 km etc. all complete. Sq Mtr 7500 0.1686 2613B temperation and consolidation of aub grade and camber, applying and brooming requisite type of surplus earth with seque to the engineer. Cum 4750 0.1686 2613B	ST NO	DESCRIPTION OF ITEM	UNIT	QTY	Weightage
2208 including testing of joint etc with all materials and labour. All excavation, backfilling, concreting if required shall be paid separately as per relevant items. RM 20 0.0006 c 450mm dia RM 20 0.0006 d 600mm dia RM 20 0.0006 2401A Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road proler including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead upto 1 km etc. all complete. Sq Mtr 7500 0.01 2613A Forevoing and laying stone pitching in yard / road with 50mm to 150mm thick boulder in uniform thickness of 200 mm, hand picking the interstices, rolling with 3 wheeled road / vibratory roller 8-10 Cum 4750 0.1686 2613A tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices, rolling with 3 wheeled road / vibratory roller 8-10 Cum 4750 0.1686 2613B Transportation of coal boulder of various sizes up to 500 mm, breaking the boulders into smaller sizes, 200 mm & below, laying the bouders for making the builder filling the voids, rolling and making the surface true to camber to prepared for laying of WBM, etc as per instruction of engineer, all complete. Area for picking of coal boulders & mill rejects shall be identified by BHEL	2011	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	NOS.	5	0.00299583
d 600mm dia RM 20 0.0008 2401A Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of supplex earth with lead upto 1 km etc. all complete. Sq Mtr 7500 0.01 2613A Providing and laying stone pitching in yard / road with 50mm to 150mm thick boulder in uniform thickness of 200 mm, hand picking the interstices, rolling with 3 wheeled road / vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate,watering and compacting to the required density as directed by the engineer. Cum 4750 0.1686 2613A Transportation of coal boulder of various sizes up to 500 mm, breaking the boulders into smaller sizes, 200 mm & below, laying the bouders for making the base of road including filling the reduce, stransportation & laying of coal mill rejects spreading and further filling the voids, rolling and making the surface true to camber to prepared for laying of WBM, etc as per instruction of and making the coale exclude all debris, grass, vegetation, bushes, trees having gith upto 300 mm including roots and compacting the graded/stripped surface by manual / mechanical means, disposal of stripped materials etc for leveling and grading including dressing to specified levels & grades and directed by materials within a lead upto 1km etc all complete as per specification, drawing and a directed by the engineer-in-charge. Sqm S0000<	2208	including testing of joint etc with all materials and labour. All excavation, backfilling, concreting if			
Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after Sq Mtr 7500 0.01 2401A excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road Sq Mtr 7500 0.01 2401A excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road Sq Mtr 7500 0.01 2401A excavating earth with lead upto 1 km etc. all complete. Providing and laying stone pitching in yard / road with 50mm to 150mm thick boulder in uniform Sq Mtr 7500 0.01 2613A tiones capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density as directed by the engineer. Cum 4750 0.1686 2613B interstices, transportation & laying the bouders for making the base of road including filling the interstices, transportation & laying of coal mill rejects spreading and further filling the vids, rolling and making the surface true to camber to prepared for laying of WBM, etc as per instruction of engineer, all copmlete. Area for picking of coal boulders & mill rejects shall be identified by BHEL Cum 2500 0.0261 2602 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 gith upto 3000 mm including roots and compacting the graded/s	с	450mm dia	RM	20	0.00063291
2401A excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead upto 1 km etc. all complete. Sq Mtr 7500 0.01 2613A Providing and laying stone pitching in yard / road with 50mm to 150mm thick boulder in uniform thickness of 200 mm, hand picking the interstices, rolling with 3 wheeled road / vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density as directed by the engineer. Cum 4750 0.1686 2613B Transportation of coal boulder of various sizes up to 500 mm, breaking the bouders into smaller sizes, 200 mm & below, laying the bouders for making the base of road including filling the viols, rolling and making the surface true to camber to prepared for laying of WBM, etc as per instruction of engineer, all copmitee. Area for picking of coal boulders & mill rejects shall be identified by BHEL within plant premises. Cum 2500 0.0261 2602 Earth work in stripping of top soil upto a maximum depth of 0.30m below ground level so as to 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 a directed by the engineer-in-charge. Sqm 50000 0.0092 2618 Supplying precast reinforced cement concrete RCC Sleeper with 1:1.5:3 (1 cement : 1.5 coarse sand: 3 graded stone agg	d	600mm dia	RM	20	0.00081284
2613Athickness of 200 mm, hand picking the interstices, rolling with 3 wheeled road / vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density as directed by the engineer.Cum47500.16862613BTransportation of coal boulder of various sizes up to 500 mm, breaking the boulders into smaller sizes, 200 mm & below, laying the bouders for making the base of road including filling the interstices, transportation & laying of coal mill rejects spreading and further filling the voids, rolling and making the surface true to camber to prepared for laying of WBM, etc as per instruction of engineer, all copmlete. Area for picking of coal boulders & mill rejects shall be identified by BHELCum25000.02612602Earth 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.SqmSqm500000.00922618Supplying precast reinforced cement concrete RCC Sleeper with 1:1.5:3 (1 cement : 1.5 coarse sand: 3 graded stone aggregate 20 mm nominal size) as per 18 456 with 25 mm clear cover including the cost of cement (PPC/OPC/PSC) and high yield strength steel reinforcement, all materials for concrete, form wok, lifting hole with PVC pipe, binding wire, labours, curing andAE </td <td>2401A</td> <td>excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead upto 1 km etc. all complete.</td> <td>Sq Mtr</td> <td>7500</td> <td>0.016009</td>	2401A	excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead upto 1 km etc. all complete.	Sq Mtr	7500	0.016009
2613Bsizes, 200 mm & below, laying the bouders for making the base of road including filling the interstices, transportation & laying of coal mill rejects spreading and further filling the voids, rolling and making the surface true to camber to prepared for laying of WBM, etc as per instruction of engineer, all copmlete. Area for picking of coal boulders & mill rejects shall be identified by BHELCum25000.02612602Earth 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.Sqm500000.00922618Supplying precast reinforced cement concrete RCC Sleeper with 1:1.5:3 (1 cement : 1.5 coarse sand: 3 graded stone aggregate 20 mm nominal size) as per IS 456 with 25 mm clear cover including the cost of cement (PPC/OPC/PSC) and high yield strength steel reinforcement, all materials for concrete, form wok, lifting hole with PVC pipe, binding wire, labours, curing andEE	2613A	Providing and laying stone pitching in yard / road with 50mm to 150mm thick boulder in uniform thickness of 200 mm, hand picking the interstices, rolling with 3 wheeled road / vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate,watering and compacting to the	Cum	4750	0.16864745
2602 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 50000 0.0092 2618 Supplying precast reinforced cement concrete RCC Sleeper with 1:1.5:3 (1 cement : 1.5 coarse sand: 3 graded stone aggregate 20 mm nominal size) as per IS 456 with 25 mm clear cover including the cost of cement (PPC/OPC/PSC) and high yield strength steel reinforcement, all materials for concrete, form wok, lifting hole with PVC pipe, binding wire, labours, curing and additional materials additional materials	2613B	sizes, 200 mm & below, laying the bouders for making the base of road including filling the interstices, transportation & laying of coal mill rejects spreading and further filling the voids, rolling and making the surface true to camber to prepared for laying of WBM, etc as per instruction of engineer, all copmlete. Area for picking of coal boulders & mill rejects shall be identified by BHEL	Cum	2500	0.02611994
 sand: 3 graded stone aggregate 20 mm nominal size) as per IS 456 with 25 mm clear cover including the cost of cement (PPC/OPC/PSC) and high yield strength steel reinforcement, all materials for concrete, form wok, lifting hole with PVC pipe, binding wire, labours, curing and 	2602	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		50000	0.00927765
Reinforcement Steel to be supplied by contractor).	2618	sand: 3 graded stone aggregate 20 mm nominal size) as per IS 456 with 25 mm clear cover ,including the cost of cement (PPC/OPC/PSC) and high yield strength steel reinforcement, all materials for concrete, form wok, lifting hole with PVC pipe, binding wire, labours, curing and shifting the finished product at designated store area etc., for the following sizes (Cement and			
Length= 600 mm, Width at Bottom=250 mm,Width at Top=220 mm & Height=250 mm. with 4 nos.a8 mm dia. Main Bar and 5 mm dia Stirrup @ 150 mm c/c and Lifting hole with 30 mm dia PVC pipe- 01 nos.Nos20000.016	а	8 mm dia. Main Bar and 5 mm dia Stirrup @ 150 mm c/c and Lifting hole with 30 mm dia PVC pipe-	Nos	2000	0.0165744
TOTAL 0.2911		TOTAL			0.29117631

	VOLUME-III PRICE SCHEDULE, REV-00			
AND 03 N	TRUCTION OF 3 NOS NEW COVERED STORES, RELOCATING OF 02 NOS OLD STORE (PAR DS DOG HOUSE, HARD SURFACING, BRICK SOLING, AREA DEVELOPMENT OF OPEN YAF RS, RENOVATION OF BHEL OFFICE & RESIDENTIAL COMPLEX AND OTHER CIVIL MISC. EI UNIT#5 SAGARDIGHI THERMAL POWER PROJECT, WB	RD, AREA NABLING	FENCING, MAK	ING OF CONCRETE
	TENDER NO - PSER:SCT:SDG-C2069:20 SCH 5:-ENABLING CIVIL- STORE SHED			
ST NO	DESCRIPTION OF ITEM	UNIT	QTY	Weightage
PART-A.1 A1839	Construction of 03 Nos Covered Stores Lump-sum price for design, supply / delivery, transportation, unloading, storage at site, assembly, erection including all required civil works, plinth protection, all-round drain, ramp & electrical works including illumination, switch board near door, main switch, required MCB etc. and handing over to BHEL inclusive of all prevailing taxes, duties and other levies etc. of removable / re erectable type pre-engineered, pre-fabricated steel closed storage shed (900 Sqm), as per tender drawing & specification complete in all respect.	NOS.	3	0.33302357
PART-A.2	Relocating of 02 Nos old Store (Partly covered and partly semi covered) (Supply of reinforcement steel and cement is in the scope of contractor unless otherwise specified in BOQ).			
100	EARTH WORK: Earth work In excavation, backfilling and disposal including all labour, equipments etc complete 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.			
а	Depth from ground level but not exceeding 2 m	Cum	1000	0.00257737
107	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 from compulsorily excavated earth available within a lead upto 1Km and compacted as specified including re-excavation of stacked earth, watering, ramming/compaction by manual / mechanical means, dressing etc all complete.for the following.			
а	Each layer compacted so as to achieve at least 90% maximum dry density as per IS-2720 (Part-VII)	Cum	1600	0.00411738
200	CONCRETE WORK: Providing and placing concrete work including cost of labour, materials (unless otherwise specified in BOQ / contract specification) 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.			
202	Concrete of grade M10 (1 part cement, 3 part sand, 6 parts of 40 mm 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	160	0.01363726
204	Concrete of grade M20 (1 part cement, 1.5 part sand, 3 parts of 20 mm graded aggregate by volume) under floors, paving, plinth protection, pipe encasing etc complete.	Cum	650	0.06382295
206	Providing and laying Design Mix cement concrete of grade conforming to IS:456 & IS 10262-2009 for reinforced concrete works with coarse sand and graded hard stone aggregate of 20mm nominal size in superstructure at all level above 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.			
а	M 20 Grade	Cum	50	0.00611181
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.			
а	Plain cement concrete of all grades	Cum	2	0.00004732
b	Reinforced cement concrete of all grades	Cum	55	0.00189839
300	FORMWORK: Providing, fixing and removing formwork at all elevations for all structures, as per specifications and including all labour, material, scaffoldings and centereing etc. complete as per drawing, specifications and as per direction of engineer in charge for the following.			
301	Fairface form work with good quality water proof ply wood of minimum 12mm thickness and smooth surface below finished ground floor level 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	750	0.00290919
302	Fairface form work with good quality water proof ply wood of minimum 12mm thickness and smooth surface above finished ground floor level for columns, beams, suspended floors, roofs, lintels, cantilevers, staircases, landings, balconies, etc. including chamfering of edges as per drawing for all heights as per specification, drawing and instruction of engineer in charge.	Sqm	600	0.0045105

	VOLUME-III PRICE SCHEDULE, REV-00			
AND 03 N	STRUCTION OF 3 NOS NEW COVERED STORES, RELOCATING OF 02 NOS OLD STORE (PAR OS DOG HOUSE, HARD SURFACING, BRICK SOLING, AREA DEVELOPMENT OF OPEN YAR RS, RENOVATION OF BHEL OFFICE & RESIDENTIAL COMPLEX AND OTHER CIVIL MISC. EN UNIT#5 SAGARDIGHI THERMAL POWER PROJECT, WB. TENDER NO - PSER:SCT:SDG-C2069:20	D, AREA I	FENCING, MAK	ING OF CONCRETE
	SCH 5:-ENABLING CIVIL- STORE SHED			
ST NO	DESCRIPTION OF ITEM	UNIT	QTY	Weightage
400	REINFORCEMENT WORK : Reinforcement work including all labour, material , equipment, transportation, handling etc at all level as per specification, drawings and as directed by engineer - in - charge.			
402	Providing, straightening, cutting, bending, placing in position at all level, binding in position of steel reinforcements of TMT steel of grade Fe-500D 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.	MT	40	0.0454822
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.			
702	Supply, Fabrication, transportation, delivery at site and 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, stiffner plates, protective tape, pipe sleeves, templates etc. including welding, cutting, grinding, threading, drilling etc. all complete.	MT	1.3	0.0021818
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.			
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 depths, places and positions below plinth including raking out joints, curing, scaffolding etc. complete excluding plastering and painting.			
d	Using burnt clay bricks of class designation 7.5 of nominal dimension	Cum	50	0.004192
1002	Providing brick work in cement mortar 1:6 (1 cement 6 coarse sand) in walls, chambers etc. in thickness 230mm at all heights, places and position above plinth including raking out joints, curing, scaffolding etc complete excluding plastering and painting.			
d	Using burnt clay bricks of class designation 7.5 of nominal dimension	Cum	175	0.018088
1003	Providing brick work in cement mortar 1:4 (1 cement 4 coarse sand) in partition walls, chambers etc. in thickness 115mm at all heights, places and position above or below plinth/graded level including providing two nos. 6 mm diameter MS bars at every third layer, raking out joints, curing, scaffolding etc complete excluding plastering and painting as per specification.	Cum	175	0.010000
d	Using burnt clay bricks of class designation 7.5 of nominal dimension	Sqm	170	0.00179
1004	Providing brick 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). Using brick on edge.			
d	Using burnt clay bricks of class designation 7.5 of nominal dimension	Cum	3500	0.015442
1005	Breaking of existing brick work at all levels including plastering, removing the rubbish up to a distance of 500 m including transportation, loading, unloading etc. all complete as directed by the engineer.	Cum	200	0.004003
1200	1200PLASTERING: 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.			
1202	Providing 12mm thick plaster inside the building/boundary wall in cement mortar 1:6 on walls finished to a smooth finish as per specification all complete.	Sqm	1800	0.006459
1500	ROOFING / SIDE CLADDING: Roofing / side cladding work including all labour, material (unless otherwise specified in BOQ/contract specification), equipment, transportation, handling, scaffolding, laps, hooks, washers, corner pieces etc. at all level as per specification, drawings and as directed by engineer - in - charge.			
1517A	Providing and fixing 0.63 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	2200	0.027411

	VOLUME-III PRICE SCHEDULE, REV-00			
AND 03 N	STRUCTION OF 3 NOS NEW COVERED STORES, RELOCATING OF 02 NOS OLD STORE (PAR IOS DOG HOUSE, HARD SURFACING, BRICK SOLING, AREA DEVELOPMENT OF OPEN YAR RS, RENOVATION OF BHEL OFFICE & RESIDENTIAL COMPLEX AND OTHER CIVIL MISC. EI UNIT#5 SAGARDIGHI THERMAL POWER PROJECT, WB	RD, AREA NABLING	FENCING, MAK	ING OF CONCRETE
	TENDER NO - PSER:SCT:SDG-C2069:20			
	SCH 5:-ENABLING CIVIL- STORE SHED			
ST NO	DESCRIPTION OF ITEM	UNIT	QTY	Weightage
A1518	Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J or L hooks, bolts and nuts 8 mm dia G.I.limpet and bitumen washers complete 0.63 mm thick with zinc coating not less than 275 gm/m ² etc as per drawing and specification.	RM	122	0.0011797
A1519	Providing and fixing 15 cm wide, 45 cm overall semi-circular plain G.S. sheet gutter with iron brackets 40x3mm size, bolts, nuts and washers etc., including making necessary connections with rain water pipes complete.0.63 mm thick with zinc coating not less than 275 gm/m ² etc. complete as per drawing and specification.	RM	240	0.0023063
A1520	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. A1521 will be issue by BHEL free of cost).	Sqm	3000	0.0075960
A1521	Dismantling G.S. Sheet roofing including ridges, hips, valleys and gutters etc.,including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge :	Sqm	5200	0.0077891
1804	Providing PVC pipe with fittings and fixtures of FinOlex / Utkarsh India / Supreme or equivalent make as per IS-13592:1982 with all materials, labour, etc complete for rain water pipes, external sewer line/ waste water line connection upto open drain or manhole to manhole/ septic tank/ soak pit, as directed by BHEL.Payment terms - a) On receipt of materials at site- 60%; b) On completion of job in all respect - 40%.			
а	90mm dia, Type-A & Wall thickness is 2.3mm	RM	50	0.000216
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.			
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).	МТ	10	0.0167835
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, realighment 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,scafolding, staging, tools & tackles, gas cutting, welding, consumables etc all complete.Area for new location of the Store as per directions of BHEL engineer.	МТ	74	0.0095354
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	5	0.0011598
2122	Supply and Installation of Borewell with Boring / drilling of required dia for PVC casing pipe and strainer pipe 100 mm dia upto 25M and 50 mm dia. from 25M to upto bottom, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart / bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete including above ground Casing Pipe (2M 100mm GI pipes), all other above ground required GI Pipes, valves, filter, tees, couplings commplete with submersible pumps & motor, elctrical controls, cables, etc complete items for water upto 6M high tank) including all Labour for boring through any type of soil, rock & boulders for sinking tubewell. Hire charges of Boring Machine, other tools and plants, staging force pumping set, and making arrangement for water required for boring etc. complete and lowering of casing pipes, strainers blind pipes, gravel packing the gap between bore dia and PVC pipe. etc. all complete as per direction of Engineer-in-charge, upto 90 metre depth below ground level.	Sets	2	0.0039278
	Construction of 03 (three) number of Dog Houses for preservation of TG			
2335 S	Supply of M. S. tube 40 mm dia	metor	855	0.002050
		meter		0.003052
2336 S	Supply of Electroplated MS Clamp	no.	460	0.00091

AND 03 N	VOLUME-III PRICE SCHEDULE, REV-00 OB: CONSTRUCTION OF 3 NOS NEW COVERED STORES, RELOCATING OF 02 NOS OLD STORE (PARTLY COVERED AND PARTLY SEMI COVERED) AND 03 NOS DOG HOUSE, HARD SURFACING, BRICK SOLING, AREA DEVELOPMENT OF OPEN YARD, AREA FENCING, MAKING OF CONCRETE SLEEPERS, RENOVATION OF BHEL OFFICE & RESIDENTIAL COMPLEX AND OTHER CIVIL MISC. ENABLING WORKS ETC. JOB AT 1 X 660 MW, UNIT#5 SAGARDIGHI THERMAL POWER PROJECT, WB.				
	TENDER NO - PSER:SCT:SDG-C2069:20 SCH 5:-ENABLING CIVIL- STORE SHED				
ST NO	ST NO DESCRIPTION OF ITEM UNIT QTY				
1517B	Providing corrugated GS sheet roofing including vertical/curved surface fixed with ploymer coated J/L hooks, bolts and nuts 8mm dia with bitumen and GI limpet washer or with GI limpet washer filled with white lead, excluding the cost of purlin rafters and trusses including cutting to size and shape whenever required. (0.63 mm thick with zinc coating not less than 275 gm/m ²)	sam	556	0.00692773	
2337	Erection charges for erection of 40 mm dia MS pipe in vertical and horinzontal direction including fixing the same upto height maximum 7m with electroplated MS Clamp and supervision as required.		952	0.00126476	
	TOTAL		1	0.62036603	

	VOLUME-III PRICE SCHEDULE, REV-00				
NOS	NSTRUCTION OF 3 NOS NEW COVERED STORES, RELOCATING OF 02 NOS OLD STORE (PARTLY CO DOG HOUSE, HARD SURFACING, BRICK SOLING, AREA DEVELOPMENT OF OPEN YARD, AREA FEN VATION OF BHEL OFFICE & RESIDENTIAL COMPLEX AND OTHER CIVIL MISC. ENABLING WORKS ET THERMAL POWER PROJECT, WB.	ICING, M	AKING OF CONC	RETE SLEEPERS,	
	TENDER NO - PSER:SCT:SDG-C2069:20				
	SCH 6:-ENABLING CIVIL- SAFETY PARK				
SL NO	DESCRIPTION OF ITEM	UNIT	QTY	Weightage	
100	EARTH WORK: Earth work In excavation, backfilling and disposal including all labour, equipments etc complete 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.				
а	Depth from ground level but not exceeding 2 m	Cum	150	0.0003866	
107	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 from compulsorily excavated earth available within a lead upto 1Km and compacted as specified including re-excavation of stacked earth, watering, ramming/compaction by manual / mechanical means, dressing etc all complete.for the following.				
а	Each layer compacted so as to achieve at least 90% maximum dry density as per IS-2720 (Part-VII)	Cum	300	0.00077201	
200	CONCRETE WORK: Providing and placing concrete work including cost of labour, materials (unless otherwise specified in BOQ / contract specification) 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 (Supply of cement is in the scope of contractor).				
202	Concrete of grade M10 (1 part cement, 3 part sand, 6 parts of 40 mm 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	30	0.00255699	
204	Reinforced/ plain cement concrete 1:1.5:3 (1 cement: 1.5 sand:3 graded stone aggregate of 20 mm nominal size) for foundation, column, beam, chajja, RCC sleeper, RCC shelf, over head tanks slab, super structure slab, etc excluding cost of shuttering and reinforcement, if any, but including all materials, labour, curing, etc complete all the levels including below ground level also (Cement - PPC/ OPC/ PSC to be supplied by the contractor with the test certificate from direct manufacture of ACC/ ULTRATECH/ CETURY/ BIRLA/ LAFARGE/ INDIA CEMENT/ JAYPEE, etc).	Cum	50	0.00490947	
300	FORMWORK: Providing, fixing and removing formwork at all elevations for all structures, as per specifications and including all labour, material, scaffoldings and centereing etc. complete as per drawing, specifications and as per direction of engineer in charge for the following.				

	VOLUME-III PRICE SCHEDULE, REV-00			
JOB: CONSTRUCTION OF 3 NOS NEW COVERED STORES, RELOCATING OF 02 NOS OLD STORE (PARTLY COVERED AND PARTLY SEMI COVERED) AND 03 NOS DOG HOUSE, HARD SURFACING, BRICK SOLING, AREA DEVELOPMENT OF OPEN YARD, AREA FENCING, MAKING OF CONCRETE SLEEPERS, RENOVATION OF BHEL OFFICE & RESIDENTIAL COMPLEX AND OTHER CIVIL MISC. ENABLING WORKS ETC. JOB AT 1 X 660 MW, UNIT#5 SAGARDIGHI THERMAL POWER PROJECT, WB.				
	TENDER NO - PSER:SCT:SDG-C2069:20			
	SCH 6:-ENABLING CIVIL- SAFETY PARK			
SL NO	DESCRIPTION OF ITEM	UNIT	QTY	Weightage
301	Fairface form work with good quality water proof ply wood of minimum 12mm thickness and smooth surface below finished ground floor level 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	200	0.00077578
302	Fairface form work with good quality water proof ply wood of minimum 12mm thickness and smooth surface above finished ground floor level for columns, beams, suspended floors, roofs, lintels, cantilevers, staircases, landings, balconies, etc. including chamfering of edges as per drawing.for all heights as per specification, drawing and instruction of engineer in charge.	Sqm	400	0.00300699
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.			
402	Providing, straightening, cutting, bending, placing in position at all level, binding in position of steel reinforcements of TMT steel of grade Fe-500D 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. (Supply of reinforcement is in the scope of contractor).		7	0.00795938
901	Supplying, fitting & fixing openable steel window with security grill conforming to IS1036-1975 & IS7452-1974 with non-friction projecting type of hinges fitted with revetts or nut bolt system as directed, glazing cleats, lugs, 2 nos MS anodised heavy duty peg stays & fustner for each window of size 900mm x 1200mm, minimum 4mm thick clear glass pane (each max. size 450mm x450mm), including fixing in position with putty, fixing lug in cement concrete 1:2:4 with stone chips 12.5mm down cutting holes & mending good damage, 10mm dia MS guard bar welded horizontally 125 c/c with each window, etc complete with 1 coat of primer and 2 coats of synthetic enamel finish in all respect.		15	0.00117123
902	Providing & fixing of wooden solid flush door with commercial ply finish, fitted with MS hinges(heavy duty), one each of 150mm aluminium tower bolt, 16mmx300mm long Al sliding door bolt & 100mm aluminium handle, finished with one coat of primer & two coat of synthetic enamel paint etc complete.	SQM	20	0.00105319
903	Providing & Fixing hard wood frame conforming to IS:4021 made of approved quality seasoned wood like Gammar, Sishu, Neem etc free from lagre or loose knots, cracks or other defects inclusive of sand paper smoothening, hold fasts, beading, primer including final synthetic painting of approved make etc complete as per specifications with proper wood joinery, accurately set to required lines or levels and rigidly secured in place.		0.30	0.00031596
904	Providing and fixing minimum 24 mm thick factory made solid PVC panelled door shutter with door frame 60mmx30mm (Syntex or equivalent) including all hardware items like handle, hinges,tower bolt, hatch bolt, locking arrangement, etc all complete in all respect.		5	0.00015617
905	Providing and fixing of overhead hydraulic door closer of Godrej make or equivalent as directed by Engineer-In-Charge.	Nos	5	0.00006832
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.			

	VOLUME-III PRICE SCHEDULE, REV-00				
NOS	JOB: CONSTRUCTION OF 3 NOS NEW COVERED STORES, RELOCATING OF 02 NOS OLD STORE (PARTLY COVERED AND PARTLY SEMI COVERED) AND 03 NOS DOG HOUSE, HARD SURFACING, BRICK SOLING, AREA DEVELOPMENT OF OPEN YARD, AREA FENCING, MAKING OF CONCRETE SLEEPERS, RENOVATION OF BHEL OFFICE & RESIDENTIAL COMPLEX AND OTHER CIVIL MISC. ENABLING WORKS ETC. JOB AT 1 X 660 MW, UNIT#5 SAGARDIGHI THERMAL POWER PROJECT, WB. TENDER NO - PSER:SCT:SDG-C2069:20				
	SCH 6:-ENABLING CIVIL- SAFETY PARK				
SL NO	DESCRIPTION OF ITEM	UNIT	QTY	Weightage	
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 depths, places and positions below plinth including raking out joints, curing, scaffolding etc. complete excluding plastering and painting.				
A	Using burnt clay bricks of class designation 7.5 of nominal dimension	Cum	50	0.00419242	
1002	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 depths, places and positions above plinth including raking out joints, curing, scaffolding etc. complete excluding plastering and painting.				
A	Using burnt clay bricks of class designation 7.5 of nominal dimension	CUM	70	0.00723537	
1003	Providing brick work in cement mortar 1:4 (1 cement 4 coarse sand) in partition walls, chambers etc. in thickness 125mm at all heights, places and position above or below plinth/graded level including providing two nos. 6 mm diameter MS bars at every third layer, raking out joints, curing, scaffolding etc complete excluding plastering and painting as per specification.				
d	Using burnt clay bricks of class designation 7.5 of nominal dimension	Sqm	70	0.00073755	
11	Brick soling with picked jhama bricks including preparation of bed as necessary with brick joints properly filled in and packed with powered earth and including necessary cushion of similar material below the soling(and in between layers when more than one layer is used) complete as per direction. (a) Single brick flat soling (thickness 75 mm.)	SQM	250	0.00110301	
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.				
1101	Providing Damp Proof Course of following 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.				
а	40mm thick	Sqm	20	0.00009476	
1200	1200PLASTERING: 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.				
1201	Providing 15mm thick plaster outside the building/boundary wall in cement mortar 1:6 on walls finished to a smooth finish as per specification all complete.	Sqm	350	0.00144841	
1202	Providing 12mm thick plaster inside the building/boundary wall in cement mortar 1:6 on walls finished to a smooth finish as per specification all complete.	Sqm	200	0.00071777	

	VOLUME-III PRICE SCHEDULE, REV-00			
JOB: CONSTRUCTION OF 3 NOS NEW COVERED STORES, RELOCATING OF 02 NOS OLD STORE (PARTLY COVERED AND PARTLY SEMI COVERED) AND 03 NOS DOG HOUSE, HARD SURFACING, BRICK SOLING, AREA DEVELOPMENT OF OPEN YARD, AREA FENCING, MAKING OF CONCRETE SLEEPERS, RENOVATION OF BHEL OFFICE & RESIDENTIAL COMPLEX AND OTHER CIVIL MISC. ENABLING WORKS ETC. JOB AT 1 X 660 MW, UNIT#5 SAGARDIGHI THERMAL POWER PROJECT, WB.				
	TENDER NO - PSER:SCT:SDG-C2069:20			
	SCH 6:-ENABLING CIVIL- SAFETY PARK			
SL NO	DESCRIPTION OF ITEM	UNIT	QTY	Weightage
1203	Providing 06mm thick plaster with cement mortar 1:3 on walls finished to a smooth finish as per specification all complete.	Sqm	200	0.00082155
1204	Neat cement punning with colour pigment over plastered surface complete with cement and other materials for Floors,drain, etc complete with all materials including cement, labour, etc as directed by BHEL.	SQM	50	0.00004273
1301	Providing and applying one coat of approved primer to timber or steel or plastered surface or other metal surface with ready mix paint of approved quantity including smoothening of surface by sand papering, etc complete.	SQM	50	0.00002858
1302	Painting two coats with best quantity synthetic enamel paint ready mix oil bound paint of approved make and brand including smoothening surface by sand pepering, etc including using approved putty, etc on the surface if necessary. On steel or other metal or wooden surface with super gloss.	SQM	50	0.00007141
1303	Providing plaster of paris (birla white or equivalent) 2 mm thick punning over finished plaster surface and finished with smooth surface as per specification at all levels, one coat of primer and two coats of acrylic emulsion paint of approved manufacturer like Berger, Asian Paints or equivalent.	SQM	300	0.00080356
1304	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	300	0.00067283
1305	Providing one or more coats of 1st quality acrylic washable distemper (ready made) of approved manufacturer with pigments of any shade on walls, false ceilings etc including cleaning, scraping and smoothing of old surface throughly, including all materials, labour, scaffolding etc complete, After completion of painting rooms/ areas are to be handed over with neat and clean condition.	SQM	400	0.00026172
1401	Providing and laying 10 mm thick plain ceramic tiles of standard shade in flooring including 4" skirting of approved make on 20mm thick under bed of 1 part cement and 4part coarse sand by weight mixed with sufficient water, complete as per specification laid in pattern of following sizes.	SQM	150	0.00204318
	300mm x 300mm x 10mm(th)			
1402	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	SQM	100	0.00117022
1825	Construction of Septic Tank & Soak pit for 25 users and Water Tank -PVC/uPVC type 1000L capacity & Installation .	Nos	1	0.00231344

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	TENDER NO - PSER:SCT:SDG-C2069:20				
	SCH 6:-ENABLING CIVIL- SAFETY PARK				
SL NO	DESCRIPTION OF ITEM	UNIT	QTY	Weightage	
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 (Supply of cement is in the scope of contractor).				
2008A	Fencing with angle iron post placed at required distance embedded in cement concrete blocks, every 15th post, last but one end postand corner post shall be strutted on both sides and end post on one side only and provided with horizontal lines and two diagonals interwoven with horizontal wires, of barbed wire weighing 9.38 kg per100 m (minimum), between the two posts fitted and fixed with G.I.staples, turn buckles etc. complete. (Cost of posts, struts, earth work and concrete work to be paid for separately). Payment to be made per metre cost of total length of barbed wire used.	RM	1000	0.00025941	
2002A	Supplying at site Angle iron post & strut of required size including bottom to be split and bent at right angle in opposite direction for 10 cm length and drilling holes upto 10 mm dia. etc. complete.	KG	200	0.00025166	
2009A	Supply, fabrication and erection / fixing of structural steel work, MS Gates etc. (for storage yard) in position made out of channels, joists, angles, flats, 2mm plates & pipes including stiffeners, bracings, fabricated hinges, MS aldrops with locking arrangement, tempered steel pivot, guide track of MS Tee, Finished with two coats of synthetic enamel painting over one coats of red oxide primer etc. all complete as per drawing, specification and as directed by Engineer-in-charge (All material including steel to be supplied by contractor). Concrete for grouting of side posts for gate to be paid separately.	MT	0.5	0.00083918	
2100	Providing attach/ common toilet with following facilities as directed by BHEL : (a) 5mm thick white colour ceramic floor tile & inside wall tile upto 2.0mtrs height from finish floor (b)1 CP towel rail 550mm long, 1 best quality 550mm x 400mm mirror, etc complete, (d) 1 European/Indian type WC pan with seat and lid black colour (Hindustan make or equivalent approved make), low level 10 Itrs capacity white PVC flushing cistern, one no. two in one bibcock fitted with hand shower of approved make etc. All inside pipe lines shall be 15mm/20mm PVC & concealed pipes.Main external supply water pipe lines shall be 25mm dia PVC and provided upto ground floor along exterior wall, complete in all respect including testing. Seperate hot and cold water plumbing lines fitted bibcocks / pillar cock shall be provided for shower/bath area and wash basin. One 6L storage capacity standard Gyeser of approved make shall be provided and fitted with the Hot a nd Cold water lines. Soil pipe shall be min 75mm dia CI for below floor if any & outside shall be 100 mm PVC of supreme or equivalent. Masonry, plastering, tiling and painting will be paid seperately as per respective items. (rate in lumsum for each set of toilet).	PER SET	3	0.0028123	
2101	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm or 340x410x265 mm sizes respectively.	NOS	2	0.00003541	
2102	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :Kitchen sink with drain board	NOS	1	0.00007021	

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	TENDER NO - PSER:SCT:SDG-C2069:20			
	SCH 6:-ENABLING CIVIL- SAFETY PARK			
SL NO	DESCRIPTION OF ITEM	UNIT	QTY	Weightage
2103	Providing PVC pipe (110mm dia, Type-A) with fittings and fixtures (Bend 87.5° of 110 mm dia,coupler,single tee with door,Shoe,pipe clip, bolts,nuts and washers etc as applicable) of FinOlex / Utkarsh India / Supreme or equivalent make as per IS-13592:1982 with all materials, labour, etc (Including removal of old damaged) complete for rain water pipes, external sewer line/ waste water line connection upto open drain or manhole to manhole/ septic tank/ soak pit, as directed by BHEL.	RM	40	0.00151401
24	Supplying fitting & fixing PVC pipes (Including removal of old damaged pipes) of Oriplast or equivalent make with all necessary accessories, specials viz GI socket, GI bend, GI tee, union cross, short piece etc fitted with holder bats clamps, including cutting pipes, making threads, etc complete in all respects including removal of old and damaged pipes (if required), cost of all necessary fittings as required, jointing materials, in any position. Payment will be made on the centre line measurements of the total pipe line including all specials. No seperate payment will be made for accessories, specials.			
25	15 mm dia medium quality.	RM	5	0.0000194
26	20 mm dia medium quality	RM	5	0.00002343
27	25 mm dia medium quality	RM	5	0.00002983
28	32 mm dia medium quality	RM	5	0.00003607
29	40 mm dia medium quality	RM	10	0.0000871
30	50 mm dia medium quality	RM	10	0.00010713
2106	Supplying fitting and fixing Gun Metal full way valve of local best quality (for water lines).			
A	20mm	NO	2	0.00001254
2200	Grassing with selection No. 1 grass including watering and maintenance of the lawn for 60 days or more till the grass forms a thick lawn, free from weeds and fit for mowing including supplying good earth, if needed			
а	With grass Turf	Sqm	100	0.00001593
	TOTAL			0.05300422