

TENDER SPECIFICATION BHEL PSSR SCT 1916

for

Development of storage yard with internal roads & drains, precast concrete sleepers, fencing, gate and construction of foundation & other civil works for Storage Shed-1 No. & office shed- 1no., etc.,

for

FGD plant at 2 x 500 MW Tuticorin Thermal Power Station for NTPL

VOLUME –II PRICE BID



BHARAT HEAVY ELECTRICALS LIMITED

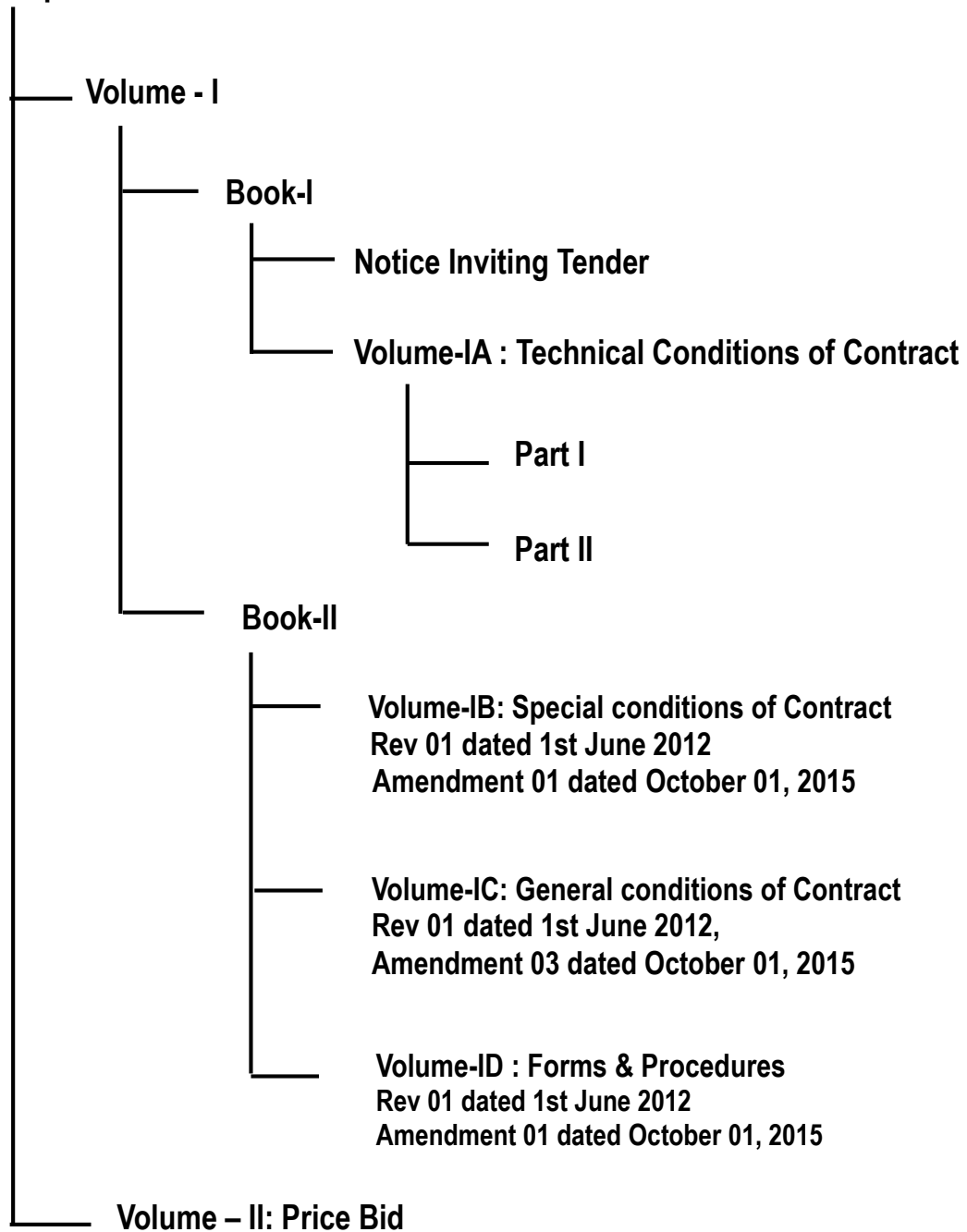
(A Government of India Undertaking)

Power Sector – Southern Region

690, Anna Salai, Nandanam, Chennai – 600 035

TENDER SPECIFICATION CONSISTS OF

Tender Specification



PRICE BID

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PART A

Instruction to Bidders:

1. The quantity indicated in the BOQ in Part C of Price Bid is approximate only and is liable for variation. Payment will be as per actual quantity executed and as certified by BHEL Engineer.
2. Tenderers are requested to affix their company seal and authorized signature in all pages.
3. Bidders shall only quote 'Total Amount' in the "Price Bid Form" available in the E-procurement portal. Any other entry elsewhere in the price bid shall be treated as Null and Void. Quoting of rates in any other form/formats will not be entertained.
4. The above mentioned 'Total amount' is for the entire Bill of Quantity (BOQ) given in Part -C of the Price Bid.
5. BHEL has pre-fixed the weightages for the amount of individual items of Bill of Quantity with respect to the 'Total Amount' in Part C of Price Bid.
6. Based on the pre-fixed weightages, the amount for the individual items of the Bill of Quantity shall be arrived at. This amount shall be rounded off to the nearest rupee.
7. Based on the quantities of individual item and the amount arrived in Sl. No: 6 above, unit rate of individual items shall be derived. This unit rate shall be rounded off to four decimal places.
8. Bidders to note that this is an item rate contract. Payment shall be made for the actual quantities of work executed at the unit rate arrived at as per Sl No.7 above.

Part B: Format to quote Total Amount

**Tender Specification BHEL:PSSR:SCT:1916 for Yard Development
at NTPL Tuticorin (2X500MW) FGD**

Total Amount for the entire Bill of Quantities(BOQ) given in Part C

In Figures

In words

Note :

Bidders to quote Total Amount in this format given above, which shall be taken into account for evaluation and awarding and hence, shall be complete in all respect for the full scope defined in specification and in accordance with all terms & conditions of tender.

Date

SIGNATURE OF BIDDER WITH SEAL

Part C : Bill of Quantities

**Tender Specification BHEL:PSSR:SCT:1916 for Yard Development
at NTPL Tuticorin (2X500MW) FGD**

| Ref.No. | Description | Unit of Measurement | Qty. | Weightage for amount of each item (Nearest to the 7 decimal points) w.r.t the total amount |
|----------------|---|----------------------------|-------------|---|
| 1.0 | Earth work in stripping of top soil upto a maximum depth of 0.30m below ground level so as to exclude all debris, grass, vegetation, bushes, trees having girth upto 300 mm including roots and organic materials etc for leveling and grading including dressing to specified levels & grades and compacting the graded/stripped surface by manual/mechanical means, disposal of stripped materials within a lead upto 1km etc all complete as per specification, drawing and as directed by the engineer-in-charge. | Sqm | 23,955 | .0340816 |
| 2.0 | Earth work in excavation in all types of soil including ash which can be excavated by any means including setting out, levelling, dewatering (but excluding special type of dewatering viz. well point method), shoring & strutting (wherever required), dressing the sides & bottom, all lifts, ramming/compacting the excavated bottom, stacking, disposal of surplus excavated materials within a lead upto 1Km, spreading/levelling of disposed materials etc all complete for following depths below ground level. | -- | | |
| a | Depth from ground level but not exceeding 2 m | CUM | 610 | .0041947 |
| b | Depth exceeding 2 m but not exceeding 4 m | CUM | 10 | .000086 |
| 3.0 | Earthwork in Back filling upto any depth below ground level around foundations, plinths, trenches, drains, and other underground structures, pipes, area levelling 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 1 Km and compacted as specified including re-excavation of stacked earth, watering, ramming/compaction by manual/mechanical means, dressing etc all complete.for the following. | -- | | |
| a | Each layer compacted so as to achieve at least 90% maximum dry density as per IS-2720 (Part-VII) | CUM | 265 | .0013039 |

Part C : Bill of Quantities**Tender Specification BHEL:PSSR:SCT:1916 for Yard Development
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|---------|---|---------------------|-------|--|
| 4.0 | Earth work in filling upto any depth below ground level for grading to proper grade and level in layers not exceeding 300 mm loose thickness so as to achieve at least 95% maximum dry density as per IS-2720 (Part-VII) with approved borrowed soil (borrowed soil to be arranged by the bidder) and compacted as specified including supplying borrowed soil, royalty/seignorage fee (if any), sorting, spreading, breaking clods, watering, ramming/compaction by manual/mechanical means, dressing, finishing to required lines, grades and slopes, tesing, all lead and lifts etc all complete as per specification, drawing and as directed by the engineer. | CUM | 2,415 | .0783101 |
| 5.0 | Earth work in filling upto any depth below ground level for grading to proper grade and level in layers not exceeding 300 mm consolidated thickness with approved good quality murram (murram is a borrowed material to be arranged by the bidder) and compacted as specified including supplying murram, royalty/seignorage fee (if any), sorting, spreading, breaking clods, watering, ramming/compaction by manual/mechanical means, dressing, finishing to required lines, grades and slopes, tesing, all lead and lifts etc all complete as per specification, drawing and as directed by the engineer. Each layer compacted so as to achieve at least 90% maximum dry density as per IS-2720 (Part- VIII) | CUM | 3,485 | .2084525 |
| 6.0 | Supplying and filling in plinth with fine aggregate i.e manufactured crushed stone sand under floors, including watering, ramming, consolidating and dressing complete. | CUM | 111 | .0126693 |
| 7.0 | Providing and laying PCC of mix M7.5/1:4:8 using 40mm size hard broken granite stone jelly including formwork, ramming, levelling, curing etc., for foundation, flooring, side drains etc. including providing necessary slopes etc., complete as per standard specifications. | CUM | 102 | .0345118 |
| 8.0 | Providing and laying PCC of mix M10/1:3:6 using 20mm size hard broken granite stone jelly as levelling course, under water retaining structures, equipment foundations, under foundations/floors etc all complete. | CUM | 20 | .0073158 |
| 9.0 | Providing and laying PCC of grade M15/1:2:4 using 20mm size hard broken granite stone jelly including ramming,levelling, curing etc., for flooring and foundations including providing necessary slopes etc., complete as per standard specifications. | CUM | 160 | .0634774 |

Part C : Bill of Quantities

Tender Specification BHEL:PSSR:SCT:1916 for Yard Development at NTPL Tuticorin (2X500MW) FGD

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|---------|---|---------------------|-------|--|
| 10.0 | Providing and laying in position reinforced cement concrete of grade M15/1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), excluding the cost of centering, shuttering, finishing and reinforcement. | CUM | 15 | .0063961 |
| 11.0 | Providing and laying in position reinforced cement concrete of grade M20/1:1.5:3 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), excluding the cost of centering, shuttering, finishing and reinforcement. | CUM | 40 | .0180425 |
| 12.0 | Providing and laying R C C of mix M25, using 20mm down size hard broken granite stone jelly for all types of RCC works at all heights including finishing, curing etc. complete, but excluding centering, shuttering, cost of reinforcement fabrication all as per standard specifications. Rate to include for providing necessary slope in the concrete as directed by Engineer in charge. | CUM | 10 | .0046737 |
| 13.0 | Providing and laying specified grade reinforced cement concrete as per IS:456, IS 3370 & IS 10262-2009 using graded aggregate for Concrete in water retaining/conveying structures including addition of suitable plastisizer cum waterproofing cement additives confirming to IS 9103 latest to achieve a slump more than 125 mm in concrete as per manufacturers recommendation and conforming to limits of permeability as per IS 2545 and specification with 20 mm nominal size graded aggregate for following grades. Watertightness is to be ensured including structural grouting if required. | -- | | |
| a | M25 Grade | CUM | 5 | .0024545 |
| 14.0 | Fairface form work with good quality water proof ply wood of required thickness and smooth surface below finished ground floor level for foundations, footings, base of columns, walls, columns, pilasters, beams, mass concrete, trenches etc. | sqm | 1,600 | .0266355 |
| 15.0 | Providing, straightening, cutting, bending, placing in position at any level, binding in position of tor steel reinforcements confirming of grade Fe-500 confirming to IS:1786 including cost of reinforcement steel, binding wire, labour, transportation to & from stores etc complete all as per specifications, drawings and as directed by Engineer | MT | 9 | .0315853 |
| 16.0 | Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the subgrade and disposal of surplus earth with lead upto 50 metres. | sqm | 2,700 | .0247337 |

SIGNATURE OF BIDDER WITH SEAL

Part C : Bill of Quantities

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|---------|--|---------------------|------|--|
| 17.0 | Supply, Laying, spreading and compacting stone aggregate 63-45MM SIZE along with required screening of size 13.2mm & binding materials of specified sizes to WBM specifications including spreading in uniform thickness, hand picking, rolling with 3 wheeled road/vibratory roller 8-10 tonne 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 all complete for leads & lifts as per the instructions of engineer in charge. | CUM | 620 | .0795592 |
| 18.0 | Providing and laying non pressure NP2 class(light duty) RCC pipes with collars jointed with stiff of mixture of CM 1: 2 including testing of joints etc., complete. | -- | | |
| a | 250 mm dia RCC pipe. | RM | 10 | .0004409 |
| b | 450 mm dia RCC pipe | RM | 50 | .0040696 |
| 19.0 | Providing 2.4 m high fencing with angle Steel post of 65 x 65 x 6 mm painted with synthetic enamel paint (as per IS :2932) placed every 2.5 m center to center embedded in cement concrete blocks 35x35x45 cm of 1:4:8 (1 cement: 4 fine sand: 8 graded stone aggregate 20mm nominal size), every 15th post last but one end post and corner post shall be struted on both sides and end post on oneside only and provided with G.I. chain link fabric fencing of required width in mesh size 75x 75 mm made of G.I. wire of dia 3mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required as per the direction of Engineer-in-charge, complete. Rate to include cost of steel post, earth work, concrete, chain link fencing and struts labour charges etc. complete as per standard specifications. | RM | 625 | .101915 |
| 20.0 | Supplying, fabricating steel gate upto 10.0 m wide as shown in the drawing transporting components to erection site and erection of fabricated steel work including all handling, leading, assembling, hoisting,erection in position and site welding/fastening, bolts wherever required as per drawing and specification. Rate to include providing PCC 1:3:6 for supporting the pillars, cost of raw steel, fabrication, erection, all consumables cement, labour charges etc., complete including synthetic enamel painting two coats over one coat of red oxide primer. (For the smaller gate proportionate rate shall be worked out on Sq.M basis). Steel for fabricaiton of gate needs to be provided by the contractor. | sqm | 27 | .005269 |

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|---------|---|---------------------|-------|--|
| 21.0 | Supply of Pre-cast RCC concrete sleepers of size 150 x 200 x 1500mm as per enclosed drawing concrete mix of 1:2:4 grade (with 20mm down aggregate) inclusive of form work, mixing, casting, curing, reinforcement-4nos 10mm dia & stirrups 11nos-8mm dia and lifting facility and handling (loading, transportation & unloading) of cast blocks to handover to BHEL storage yard. Rate shall be inclusive of cost of material like cement, aggregate, reinforcement steel, loading, transportation & unloading at BHEL Stores, consumable, labour etc.(Agency must take an approval for the pre cast manufacturing unit from BHEL.) | No.s | 2,000 | .0998818 |
| 22.0 | Providing brick work using fly ash lime bricks confirming to IS 12894 with crushing strength of 75 kg/cm ² (including cost of cement for brick making) 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. | Cum | 135 | .0531552 |
| 23.0 | Providing plastering with CM 1 : 6, 15mm thickness all as per standard specifications, including rendering smooth, rounding of corners etc., complete. | Sqm | 770 | .0136756 |
| 24.0 | Providing and laying damp-proof course 40 mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size) | Sqm | 45 | .0009149 |
| 25.0 | Supplying and painting distemper two coats over a priming coat using best quality oil bound washable distemper of approved make and colour. Rate to include cost of cleaning and preparation of the surface, applying putty, labour, materials etc., all complete. | Sqm | 690 | .0061879 |
| 26.0 | Providing Vitrified floor tiles matt finish of size 600x600mm (min-8mm) - of 1st quality conforming to IS:15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, to be laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement and matching pigment etc all complete. | Sqm | 270 | .0236773 |

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|----------------|--|----------------------------|-------------|---|
| 27.0 | Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters : 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws. Rate to include cost of labour, painting one priming coat and two coats of ready mixed synthetic enamel paint of approved make and colour. | Sqm | 10 | .0017672 |
| 28.0 | Supplying and fixing of steel windows and ventilators with steel sections as per IS:1038, IS:1361 & IS:7452 latest revision with outer frame angle 30x30x5 mm and flat of size 25x2 mm and covered with fully glass including cost of all materials, fabrication charges, over one coat of red oxide paint, all taxes, lead lift etc complete as directed by engineer in charge | Sqm | 10 | .0009506 |
| 29.0 | Providing and fixing wash basin of size 550x400 mm with CI brackets with 15 mm CP brass pillar caps, 32 mm CP brass waste of standard pattern including painting of fittings and brackets, cutting and making good the walls wherever required. | Nos | 7 | .0011646 |
| 30.0 | Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid. | Nos | 4 | .0012298 |
| 31.0 | Providing and fixing square-mouth S.W. Gully trap (100mmx100mm size P type) class SP-1 complete with C.I. Grating brick masonry chamber using burnt clay/ flyash bricks of class designation 7.5, with water tight C.I. Cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design. | each | 4 | .0005393 |
| 32.0 | Supplying at site of work & fixing in position of 100X75mm NAHANI trap with CI gratings as per standard specifications. Rate to include cost of all materials, labour for fixing, testing etc., complete. | No.s | 6 | .0003036 |

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|---------|---|---------------------|------|--|
| 33.0 | 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. | Each | 5 | .0003749 |
| 34.0 | Providing and fixing PTMT 450 mm long towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. | Each | 2 | .0000649 |
| 35.0 | Providing and fixing of liquid soap dispenser at all wash basin locations. | each | 5 | .0000463 |
| 36.0 | Providing and fixing chromium plated brass shower rose 100mm dia with 15 or 20 mm inlet dia all complete. | Each | 4 | .0000355 |
| 37.0 | Supplying and fixing in position 15mm nominal size down type brass bib cock of approved make and quality (leader, dripless, or orient) as per standard specifications. Rate to include cost of bib cock, jointing materials, labour for carrying, fixing, and testing etc., complete. | Nos | 11 | .0001944 |
| 38.0 | Providing and fixing in position of 15 mm dia nominal size screw down type chromium plates brass stop cocks of approved make and quality confirming to IS:8931 as per standard specification. Rate includes cost of jointing materials, sockets, union nut, testing, labours for carrying and fixing etc. complete. | each | 2 | .0000353 |
| 39.0 | Providing and fixing in position of 25 mm dia gun metal gate valve, including all necessary fitting & fixture etc. complete as per standard specification. | each | 1 | .000029 |
| 40.0 | Providing and fixing GI pipes class B medium class conforming to IS:1239 pipes shall be concealed and painted with anticorrosive paint, complete for internal works with GI sockets, unions, elbows, tees, nipples etc and clamps including cutting and making good the walls etc all complete for following sizes: | -- | | |
| a | 15 mm nominal bore. | RM | 50 | .001153 |
| 41.0 | Providing and fixing GI pipes class B complete for external work with GI sockets, unions, elbows, tees, nipples etc including trenching & refilling, anti-corrosive paint etc all complete for following sizes: | -- | | |
| a | 15 mm nominal bore. | RM | 100 | .0017251 |

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|---------|---|---------------------|------|--|
| b | 25 mm nominal bore. | RM | 50 | .0012064 |
| 42.0 | Providing and fixing Chlorinated Polyvinyl Chloride pipes having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamps all complete. | -- | | |
| b | 20 mm dia | RM | 100 | .0017938 |
| 43.0 | Supplying and fixing sintex water tank at site of work for storing water.Rate to include cost of tank and other incidental charges etc., complete. | -- | | |
| a | 1000 Litres capacity. | No.s | 2 | .0009609 |
| b | 5000 Litres capacity. | No.s | 1 | .0019781 |
| 44.0 | Constructing soak pit 1.20X1.20X1.20m filled with brickbats including S.W. drain pipe 100mm diameter and 1.20m long complete as per standard design. | No.s | 2 | .0003048 |
| 45.0 | Constructing masonry Chamber 60x60x75 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) , i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design : With burnt clay/ flyash bricks of class designation 7.5 | each | 2 | .0010856 |

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|---------|--|---------------------|------|--|
| 46.0 | Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 Fine sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design: Inside dimensions 600x 850 mm and 45 cm deep for pipe line with three or more inlets : With burnt clay/ flyash bricks of class designation 7.5 | No.s | 2 | .0009443 |
| 47.0 | Construction of a septic tank of size 6.00 x 2.40 x 2.70 metre and a cess pool of 3.00 metre dia as per drawing. Rate to include cost of Excavation,PCC,Brickwork,RCC works, Reinforcement,SW pipes, AC pipes,cowl,filling with aggregates cover slab,testing of the septic tank etc., complete as per drawing. (drawing for Tendering purpose attached.) Quote is lumpsum | No.s | 1 | .0038086 |
| 48.0 | Providing and fixing in position of CI vent pipes of dia 100mm Rate to include all necessary fitting & fixture, labour etc. | RM | 10 | .0005892 |
| 49.0 | Supplying at site of work and laying UPVC pipes of 150 mm dia in trenches and jointing with CM 1:2 and testing with water as per standard specifications. Rate to include cost of pipes, specials, all jointing materials like hemp yarn, sand, cement, conveyance of water, tools & plants for testing, labour and all incidental charges etc. complete & includes earthwork excavation for trenches and back filling. | RM | 30 | .0009377 |
| 50.0 | Supplying raw steel, fabricating steel work and transporting to erection site and erection of fabricated steel work including all handling conveying, loading, assembling, hoisting, erecting in position and site welding and / or bolting wherever required for tubular roof truss, parking shed, etc., including applying a primer coat of approved steel primer complete as per standard, standard, specifications & instructions of engineer. Rate to include cost of all materials, leads, lifts, all labour charges etc. | MT | 2 | .008715 |

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|---------|---|---------------------|-------|--|
| 51.0 | Painting with synthetic enamel paint of approved brand and manufacture to give an even shade: providing Two or more coats on new work. | sqm | 50 | .0003552 |
| 52.0 | Supply, fabrication and fixing of embedments, inserts, pipe sleeves, angle pieces, anchor bolts of various diameters, plates of dimensions as required etc. including scaffolding, setting in position, etc. all complete. | kgs | 1,200 | .0050664 |
| 53.0 | Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. | CUM | 20 | .0017169 |
| 54.0 | Providing corrugated G.S. sheet roofing (0.63 mm thick with zinc coating not less than 275 gm/ sqm) including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. | Sqm | 80 | .00301 |
| 55.0 | Supply and fixing of following Light fitting ,exhaust fan of make philips, Crompton Greaves, Bajaj only. | -- | | |
| a | 1X20/ 22 w 4 feet LED type battren type fitting | No | 15 | .0012685 |
| b | 300 mm sweep exhaust fan | No | 2 | .0001987 |
| 56.0 | Supply and wiring of light, fan points , 5A plug points using flush type anchor roma modular switches, sockets,switch boxes,1.5 sq.mm copper wire for all phase , neutral and earth , PVC pipes, bend , tee ,clams etc . | Point | 25 | .0004026 |
| 57.0 | Supply and wiring of 15A plug ponits using madular anchor roma swtches , sockets,switch boxes,2.5 sq.mm copper wire for phase , neutral and 1.5 sq.mm copper wire for earth , PVC pipes, bend , tee ,clams etc . 15 a points are individully wired frm PDB . | Point | 6 | .0001613 |

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|------------------------|--|---------------------|------|--|
| 58.0 | Supply and wiring of AC ponits using 4.0 sq.mm copper wire for phase , neutral and 2.5 sq.mm copper wire for earth , PVC pipes, bend , tee ,clams etc . AC points are individully wired from PDB . | Point | 4 | .0001504 |
| -- | Note: wiring for lights,fans, sockets , AC points are equally distributed in all three phases.Each phase wiring circuits in one PVC pipe and same will be 50-60% occupation of wires. Clubing of two phases in PVC conduit is not permtted. | -- | | |
| 59.0 | Supply and fixing of 20A Modular AC box plug and sockets with 25A SP MCB of MDS/ HAVELLS/ LEGRAND make only. | No | 4 | .0001033 |
| 60.0 | Supply and fixing of metal clad double door type 7 segent distibution board of 63A TPN MCB as incoming with 3 nos 63A DP 30ma ELCB/ RCCB and 18 nos 16A /20A SPMCB are out going with intrnal wiring and neutral links of branded make MDS, LEGRAND, STANDARD and HAVELLS only (For Lights , fans , 5A , 15 A sockets and AC points) | No | 1 | .0006814 |
| 61.0 | Supply and Erection of 3M long 50mm dia 3.6 mm thick medium class GI funnal type earth electrode with filling of bentonite earthing powder as per standard, four side brick work chamber with cement plastering and removable type RCC/ cast iron cover plate. scope includes supply of required bentonite erathing powder, cement , brick, sand, RCC/cast iron cover plate. | No | 2 | .0005371 |
| 62.0 | Supply and fixing of 10 SWG copper wire for double earthing of PDB | Mtr | 50 | .0001074 |
| 63.0 | Supply fixing of 1.5 Tcapacity, with min 3 star Split airconditioners of inverter type copper coil of make Voltas/ Blue star/ Daikin make only including ancillary works testing and commissioning as per manufacturers guidelines and specification. | No | 4 | .0066312 |
| TOTAL Weightage | | | | 0.9999989 |