



| S. N | Item Description | No | Length | Breadth | Height | Qty | Unit | Rate | Amount | Item Reference | |
|------|---|----|--------|---------|--------|--------------------------------|-----------------------|-----------------------------|--------------------|------------------|--|
| 22 | Providing and fixing on wall face Unplasticised Rigid PVC Single socketed pipes rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. 110 mm diameter | | | | | 10 | RM | 2530.00 305.05 | 2530.00 3050.50 | NSI 12-41.2- | |
| 23 | Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying:(a) after surface preparation, first layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm.(b) laying second layer of Fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than 10 cm.(c) third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sqm mixed with water proofing cement compound @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30 cm on parapet wall and tucked into groove in parapet all around.(d) fourth and final layer of brick tiling with cement mortar (which will be paid for separately.For the purpose of measurement the entire treated surface will be measured | | | | | 18.51 10.51 0.75 0.75 | SQ M sqm sqm | 523.05 6424.65 8148.1 | 9683.54 5193.49 | DSR_item no_22.6 | |
| | | | | | | | | | 382873.36 | 3,68,560.78 | |
| | | | | | | | | | 2530.00 | | |

SI - Rs 3,68,560.78 or 3.68 Lakhs
 NSI - Nil

Subwork 17: Construction of Admin Building at Processing Site

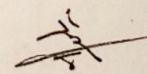
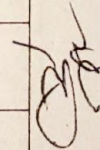
| S. N | Item Description | No | Length | Breadth | Height | Qty | Unit | Rate | Amount | Item Reference |
|------|---|----|--------|---------|--------|-------|------|------------|------------|-------------------|
| 1 | Civil Work Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m., including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil. | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | Upto 1.5 meter depth | | | | | | | | | |
| | For column foundation (1200x1200) | 6 | 1.35 | 1.35 | 2.1 | 22.96 | | | | |
| | For PCC of Plinth Beam | 1 | 12.12 | 0.38 | 0.25 | 1.15 | | | | |
| | | | | | | 24.11 | Cum | 252.3 | 6084.19 | DSR Item No_2.8.1 |
| 2 | Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth upto 50 m and lift upto 1.5 m, as directed by Engineer-in-Charge | 1 | 5.95 | 2.84 | | | Sqm | 92.55 | 1563.91 | DSR Item No_2.1.1 |
| 3 | 150 mm THK Well compacted stone soling voids should be filled and compacted with stone chipping and sand filling 60-90 mm stone size | | | | | | | | | |
| | For flooring | 1 | 5.95 | 2.84 | 0.15 | 2.53 | | | | |
| | For Entrance | 1 | 1.2 | 3.0 | 0.15 | 0.54 | | | | |
| | In Plinth protection | 1 | 21.82 | 0.6 | 0.15 | 1.96 | | | | |
| | | | | | | | | | 18730 0 | UNIT ESTIMATE |
| | | | | | | 5.04 | Cum | 18730 0 | 9437.11 | |
| 4 | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand (zone-III): 6 graded stone aggregate 40 mm nominal size). | | | | | | | | | |
| | For column foundation (1200x1200) | 6 | 1.35 | 1.35 | 0.075 | 0.82 | | | | |
| | Below plinth beam | 1 | 19.68 | 0.38 | 0.075 | 0.56 | | | | |
| | For Entrance | 1 | 1.2 | 3.00 | 0.1 | 0.36 | | | | |

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| S. N | Item Description | No | Length | Breadth | Height | Qty | Unit | Rate | Amount | Item Reference |
|------|--|----|--------|---------|--------|------|------|---------|----------|--------------------|
| | Above soling | 1 | 5.95 | 2.84 | 0.075 | 1.27 | | | | |
| | For Plinth Protection | 1 | 21.82 | 0.60 | 0.1 | 1.31 | | | | |
| 5 | Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. (Note :- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately) | | | | | 4.32 | Cum | 6126.25 | 26450.42 | DSR Item No_4_1.6 |
| | All works upto plinth level | | | | | | | | | |
| | For column foundation (1200x1200) | 6 | 1.2 | 1.2 | 0.35 | 3.02 | | | | |
| | Column above foundation upto plinth level | 6 | 0.23 | 0.3 | 1 | 0.41 | | | | |
| | Plinth beam | 1 | 19.68 | 0.23 | 0.25 | 1.13 | | | | |
| | | | | | | 4.57 | Cum | 7997.3 | 36544.46 | DSR Item No_5_33.1 |
| | All works above plinth level upto floor V level | | | | | | | | | |
| | Column (230x300) | 6 | 0.23 | 0.3 | 3.1 | 1.28 | | | | |
| | Roof Beam 1 | 2 | 5.95 | 0.23 | 0.25 | 0.68 | | | | |
| | Roof Beam 2 | 3 | 2.84 | 0.23 | 0.25 | 0.49 | | | | |
| | Roof Slab | 1 | 7.01 | 3.9 | 0.125 | 3.42 | | | | |
| | Lintel for D1 | 2 | 1.5 | 0.23 | 0.23 | 0.16 | | | | |
| | Lintel for W1 | 2 | 1.3 | 0.23 | 0.23 | 0.14 | | | | |
| | Chajja over W1 | 2 | 1.3 | 0.6 | 0.13 | 1.93 | | | | |
| | Chajja over D1 | 1 | 1.5 | 0.6 | 0.13 | 0.11 | | | | |
| | | | | | | 8.21 | Cum | 9400.8 | 77215.9 | DSR Item |

| S. N | Item Description | No | Length | Breadth | Height | Qty | Unit | Rate | Amount | Item Reference |
|------|--|----|--------|---------|--------|-------|------|--------|---------|--------------------|
| 6 | Centering and shuttering including strutting, propping etc. and removal of form work for | | | | | | | 5 | 0 | No_5.33.2 |
| | Foundations, footings, bases for columns | | | | | | | | | |
| | sides of foundation | | | | | | | | | |
| | For column foundation (1200x1200) | 6 | 4.8 | | 0.35 | 10.08 | sqm | 284.85 | 2871.29 | DSR Item No_5.9.1 |
| | Columns, piers, abutments, pillars, posts and struts | | | | | | | | | |
| | Sides of column above foundation | | | | | | | | | |
| | Column (230x300) | 6 | 1.06 | | 3.1 | 19.72 | | | | |
| | Lintels, beams, plinth beams, girders, bressumers and cantilevers | | | | | | | | | |
| | Sides of Plinth Beam | 1. | 19.68 | | 0.50 | 9.84 | | | | |
| | Roof Beam 1 | 2. | 5.95 | | 0.73 | 8.69 | | | | |
| | Roof Beam 2 | 3. | 2.84 | | 0.73 | 6.22 | | | | |
| | Lintel for D1 | 2. | 1.50 | | 0.69 | 2.07 | | | | |
| | Lintel for W1 | 2. | 1.30 | | 0.69 | 1.79 | | | | |
| | Suspended floors, roofs, landings, balconies and access platform | | | | | | | | | |
| | | 1 | 7.01 | 3.90 | | 27.34 | | | | |
| | Weather shade, Chajjas, corbels etc., including edges | | | | | | | | | |
| | Chajja over W1 | 2 | 1.3 | 0.6 | | 1.56 | | | | |
| | Chajja over D1 | 1 | 1.5 | 0.6 | | 0.90 | | | | |
| | | | | | | | | | | |
| | | | | | | 2.46 | Sqm | 766.75 | 1886.21 | DSR Item No_5.9.19 |




| S. N | Item Description | No | Length | Breadth | Height | Qty | Unit | Rate | Amount | Item Reference |
|------|---|----------------------------------|---|--|---------------------------------------|--|------|---------|-----------|--------------------|
| 7 | Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level and above. Thermo-Mechanically Treated bars of grade Fe-500D or more. Consider 1.5 % of Total volume | | | | | 1505 | Kg | 83.5 | 125687.15 | DSR Item No_5.22.6 |
| 8 | Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level Cement mortar 1:6 (1 cement : 6 coarse sand) Center line Parapet wall Plaster for Parapet wall @ 1.5 m c/c Deduction D1 Deduction W1 Deduction for V | 1 1 15 2 2 0 2 | 19.68 21.82 0.23 1.2 1 0.6 | 0.23 0.115 0.115 0.23 0.23 0.23 | 2.85 0.6 0.6 2.1 1 0.6 | 12.90 1.51 0.24 -1.16 -0.46 -0.17 | | | | |
| 9 | Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. Cement mortar 1:3 (1 cement : 3 coarse sand) | | | | | 12.86 | Cum | 7590.45 | 97606.13 | DSR Item No_6.4.2 |
| 10 | Partition wall of toilet Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry | 1 | 1.9 | | 2.85 | 5.42 | Sqm | 932.1 | 5047.32 | DSR Item No_6.13.2 |
| 11 | 12 mm cement plaster of mix :1:6 (1 cement: 6 fine sand) on Internal Surface Internal side Toilet Partition Walls | 1 2 | 23.26 1.9 | | 2.85 2.85 | 66.29 10.83 | | | 433.74 | DSR Item No_6.15 |

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|------|--|----|-------------|---------|--------|--------|------|--------|----------|---------------------|
| | Deduction D1 | 3 | 1.2 | | 2.1 | -7.56 | | | | |
| | Deduction W | 2 | 1 | | 1 | -2.00 | | | | |
| | Deduction for V | 2 | 0.6 | | 0.6 | -0.72 | | | | |
| | - wall tiles | | | | | | | | | |
| 12 | 15 mm cement plaster on the rough side of single or half brick wall of mix | | | | | 66.84 | Sqm | 254.25 | 16994.32 | DSR Item No_13.1.2 |
| | External side | 1 | 19.42 | | 2.85 | 55.35 | | | | |
| | Parapet wall | 2 | 21.82 | 0.6 | | 26.18 | | | | |
| | Deduction D1 | 1 | 1.2 | | 2.1 | -2.52 | | | | |
| | Deduction W1 | 2 | 1 | | 1 | -2.00 | | | | |
| | Deduction for V | 2 | 0.6 | | 0.6 | -0.72 | | | | |
| | | 0 | | | | | | | | |
| 13 | 6 mm cement plaster of mix Ceiling Plaster 1:3 (1 cement : 3 fine sand) | | | | | 76.29 | Sqm | 292.85 | 22341.82 | DSR Item No_13.2.2 |
| | Roof Slab | 1 | 6.25 | 3 | | 17.75 | | | | |
| | | | | | | | | | | |
| 14 | Providing and applying white cement based putty of average thickness 1 mm. of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete | | | | | 160.88 | Sqm | 115.15 | 18525.56 | DSR Item No_13.80 |
| 15 | Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade. New work (two or more coats) over and including water thinnable priming coat with cement primer | | | | | 84.59 | Sqm | 153.45 | 12980.49 | DSR Item No_13.41.1 |
| 16 | Finishing walls with Acrylic Smooth exterior paint of required shade New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm) | | | | | 76.29 | Sqm | 164.7 | 12565.13 | DSR Item No_13.46.1 |

Divyanshu

Divyanshu



| S. No | Item Description | No | Length | Breadth | Height | Qty | Unit | Rate | Amount | Item Reference |
|-------|---|----|--------|---------|--------|-------|------|---------|----------|---------------------|
| 17 | Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete | 1 | 3.8 | 2.84 | | 10.79 | | | | |
| | Admin Block | | | | | | | | | |
| | Lobby | 1 | 1.34 | 1.915 | | 2.57 | | | | |
| 18 | Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete Size of Tile 600x600 mm | | | | | 13.36 | Sqm | 1500.55 | 20044.50 | DSR Item No_11.41.2 |
| | Admin Block | 1 | 13.28 | | 0.1 | 1.33 | | | | |
| | Lobby | 1 | 6.51 | | 0.1 | 0.65 | | | | |
| | Deduction of D1 | 3 | 1.2 | | 0.1 | -0.36 | | | | |
| | Deduction of D2 | 2 | 0.75 | | 0.1 | -0.15 | | | | |
| 19 | 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. | 1 | 1.5 | 1.1 | | 1.65 | Sqm | 1545.85 | 2270.85 | DSR Item No_11.46.2 |
| | Male Toilet | | | | | | | | | |

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| S. No | Item Description | No | Length | Breadth | Height | Qty | Unit | Rate | Amount | Item Reference |
|-------|---|----|-------------|---------|--------|-------|------|-------|----------|---------------------|
| | Female Toilet | 1 | 1.5 | 1.1 | | 1.65 | Sqm | 926.9 | 3058.77 | DSR Item No. 11.37 |
| 20 | Providing and fixing 1st 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. | | wall TDS | | | | | | | |
| | Male Toilet | 1 | 3.7 | | 2.1 | 7.77 | | | | |
| | Female Toilet | 1 | 3.7 | | 2.1 | 7.77 | | | | |
| | Deduction of D2 | 2 | 0.75 | | 2.1 | -3.15 | | | | |
| 21 | Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle. Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-Charge. (Glazing, paneling and dash fasteners to be paid for separately). | | | | | | | | | |
| | Powder coated aluminium (minimum thickness of powder coating 50 micron) For D1(1.2x2.1) | 2 | | | | 12.39 | Sqm | 927.9 | 11496.68 | DSR Item No. 11.37A |
| | | | | | | 14.88 | | | | |

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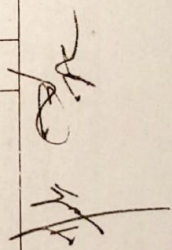
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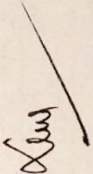


| S. N | Item Description | No | Length | Breadth | Height | Qty | Unit | Rate | Amount | Item Reference |
|------|---|----|--------|---------|--------|-------|------|--------|----------|----------------------|
| | For W1 (1x1) | 2 | | | | 14.4 | | | | |
| 22 | For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) | | | | | 29.28 | Kg | 456.3 | 13360.46 | DSR Item No_21.1.1.2 |
| | Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-in-charge. | | | | | 14.64 | Kg | 546.35 | 7998.56 | DSR Item No_21.1.2.2 |
| 23 | Pre-laminated particle board with decorative lamination on both sides For D1(1.2x2.1) | 2 | 1.2 | | 2.1 | 5.04 | Sqm | 1046.9 | 5276.38 | DSR Item No_21.2.2 |
| 24 | Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item). | 2 | 1 | | 1 | 2.00 | Sqm | 1296.4 | 2592.80 | DSR Item No_21.3.2 |
| 25 | Providing and fixing curtain rods of 1.25 mm thick chromium plated brass plate, with two chromium plated brass brackets fixed with C.P. brass screws and wooden plugs, etc., wherever necessary complete | | | | | | | | | |
| 26 | 12 mm dia Providing & Fixing PVC Strip curtain as approved by Engineer in charge | | | | | 2.4 | RM | 272.8 | 654.72 | DSR Item No_9.46.1 |
| | | | | | | 2 | SQM | 1500 | 3000.00 | NSI |

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| S. N | Item Description | No | Length | Breadth | Height | Qty | Unit | Rate | Amount | Item Reference |
|------|--|----|--------|---------|--------|------|---------|--------|---------|---------------------|
| 27 | Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete. | | | | | 1 | each | 359.00 | 359.00 | DSR_item no_21.13 |
| 28 | Providing and fixing aluminium casement windows fastener of required length for aluminium windows with necessary screws etc. complete. | | | | | | u 50.55 | | 458.55 | DSR_item no_21.15 |
| | Powder coated minimum thickness 50 micron aluminium | | | | | 50 | each | 71.55 | 3577.50 | DSR_item no_21.15.2 |
| 29 | 25 mm thick PVC flush door shutters made out of a one piece Multi chamber extruded PVC section of the size of 762 mm X 25 mm or less as per requirement with an average wall thickness of 1 mm (± 0.3 mm). PVC foam end cap of size 23x10 mm are provided on both vertical edges to ensure the overall thickness of 25 mm. M.S. tube having dimensions 19 mm x 19 mm and 1.0 mm (± 0.1 mm) is inserted along the hinge side of the door. Core of the door shutter should be filled with High Density Polyurethane foam. The Top & Bottom edges of the shutter are covered with an end-cap of the size 25 mm X 11 mm. Door shutter shall be reinforced with special polymeric reinforcements as per manufacturer's specification and direction of Engineer-in-charge to take up necessary hardware and fixtures. Stickers indicating the locations of hardware will be pasted at appropriate places | | | | | 3.15 | Sqm | 2582.3 | 8134.25 | DSR_item no_9.118.3 |
| 30 | Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge. EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer in-charge. | | | | | 9.9 | RM | 391.65 | 3877.34 | DSR_item no_9.119 |







| S. N | Item Description | No | Length | Breadth | Height | Qty | Unit | Rate | Amount | Item Reference |
|------|--|----|--------|---------|--------|--|------|----------------|---------------------------|------------------|
| 31 | Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying (a) after surface preparation, first layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. (b) laying second layer of Fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than 10 cm. (c) third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sqm mixed with water proofing cement compound @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30 cm on parapet wall and tucked into groove in parapet all around. (d) fourth and final layer of brick tiling with cement mortar (which will be paid for separately. For the purpose of measurement the entire treated surface will be measured. | 1 | 7.01 | 3.9 | | 27.34 Roof Treatment for water proofing 2.2 m x 1.2 m area 27.34 x 0.99 = 27.06 | SQM | 523.05 1.09 | 14299.6 6 ER. EN SL | DSR_item no_22.6 |
| | | | | | | Total | | 51 | 627479.49 | 602394.34 |
| | | | | | | | | NSI | | 3000 |
| | Water Supply and Sanitation work | | | | | | | | | |
| 31 | Providing and fixing unplasticised Rigid PVC soil and waste pipes conforming to IS: 13592 Type B including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. Single socketed pipes for working pressure of 4 kg/sqcm. | | | | | | | | | |
| | 75 mm diameter | | | | | 5 | RM | 150 | 750.00 | NSI |
| | 110 mm diameter | | | | | 5 | RM | 200 | 1000.00 | NSI |
| 32 | Providing and fixing unplasticised PVC moulded fittings/ accessories for unplasticised Rigid PVC soil and waste pipes conforming to IS: 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. | | | | | | | | | |
| | Bend 87.50 with door | | | | | | | | | |
| | 75 mm diameter | | | | | 2 | Each | 120 | 240.00 | NSI |
| | 110 mm diameter | | | | | 2 | Each | 180 | 360.00 | NSI |

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| S. N | Item Description | No | Length | Breadth | Height | Qty | Unit | Rate | Amount | Item Reference |
|------|---|----|--------|---------|--------|-----|------|---------|----------|---------------------|
| 33 | 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. | | | | | | | | | DSR_item no_17.2 |
| 34 | W.C. pan with ISI marked white solid plastic seat and lid | | | | | 2 | Nos | 5260.95 | 10521.90 | DSR_item no_17.2.1 |
| 35 | Providing and fixing wash basin with C.I. brackets, 15 mm C.P. Brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require. | | | | | | | | | DSR_item no_17.7 |
| 36 | White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps | | | | | 1 | Nos | 3087.70 | 3087.70 | DSR_item no_17.7.1 |
| 37 | Providing and fixing on wall face Unplasticised Rigid PVC Single socketed pipes rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion, 110 mm diameter | | | | | 10 | RM | 253.00 | 2530.00 | NSI |
| 38 | 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. | | | | | | | | | DSR_item no_18.33 |
| | With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 | | | | | 2 | Each | 9288.40 | 18576.80 | DSR_item no_18.33.1 |

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| S. N | Item Description | No | Length | Breadth | Height | Qty | Unit | Rate | Amount | Item Reference |
|------|--|----|--------|---------|--------|-----|-----------|--------|---------|---------------------|
| 39 | Providing, laying and jointing following P.V.C. - U pipes with solvent cement joint for Non-pressure gravity drain and sewer applications including testing of joints, cost of jointing materials etc. complete in all respect. [Conform to IS 15328:2003, solvent cement shall conform to IS 14182], 200 mm dia | | | | | 10 | RM | 350.00 | 3500.00 | NSI |
| 40 | Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall | | | | | | | | | DSR_item no_ 18.7 |
| | 20 mm nominal outer dia Pipes | | | | | 10 | RM | 306.95 | 3069.50 | DSR_item no_ 18.7.2 |
| 41 | Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. | | | | | | | | | DSR_item no_ 18.8 |
| | 15 mm nominal outer dia Pipes | | | | | 5 | RM | 409.65 | 2048.25 | DSR_item no_ 18.8.1 |
| 42 | Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. | | | | | | | | | DSR_item no_ 18.48 |
| | Circular tank | | | | | 500 | per litre | 8.80 | 4400.00 | DSR_item no_ 18.48A |
| 43 | Providing and fixing PTMT extension nipple for water tank pipe, fittings of approved quality and colour. | | | | | | | | | DSR_item no_ 18.75 |

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| S. N | Item Description | No | Length | Breadth | Height | Qty | Unit | Rate | Amount | Item Reference |
|------|--|----|--------|--------------------|--------|-----------|-------|--------|----------|----------------------|
| | 15 mm nominal bore, weighing not less than 32 gms | | | | | 1 | each | 49.20 | 49.20 | DSR_item no. 18.75.1 |
| 44 | Providing and fixing PTMT stop cock of approved quality and colour | | | | | | | | | DSR_item no. 18.55 |
| | 15 mm nominal bore, 86 mm long, weighing not less than 88 gms | | | | | 5 | each | 116.55 | 582.75 | DSR_item no. 18.55.1 |
| | | | | | | | Total | | 50716.10 | 50716.10 |
| | | | | Total of DSR Items | | | | | 666816 | 6,44,730 |
| | | | | Total of NSI | | 300078380 | | | 11380 | |

2336.10

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SI - P3 6.45 hrs ✓

MSI - R 0.11 hrs ✓



Subwork 18: Construction of Compost Shed 2100 sq.m at Processing Site

| S. N | Item Description | No | Length h | Breadth h | Height | Qty | Unit | Rate | Amount | Item Reference |
|------|---|----|-------------|--------------|--------|---------|------|---------|-----------|-------------------|
| 1 | Civil Work Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed. within a lead of 50 m. All kinds of soil. | | | | | | | | | |
| | Upto 1.5 meter depth | 45 | 1.4 | 1.4 | 1.95 | 171.99 | | | | |
| | For column foundation (250x300) | 1 | 201.9 | 0.43 | 0.25 | 21.70 | | | | |
| | For PCC of Plinth Beam | 1 | 207.04 | 0.96 | 0.4 | 79.50 | | | | |
| | Side Drain | | | | | 273.20 | Cum | 252.3 | 68927.76 | DSR Item No_2.8.1 |
| 2 | Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth upto 50 m and lift upto 1.5 m, as directed by Engineer-in-Charge. | 1 | 70 | 30 | | 2100.00 | Sqm | 92.55 | 194355.00 | DSR Item No_2.1.1 |
| 3 | 150 mm THK Well compacted stone soling voids should be filled and compacted with stone chipping and sand filling 60-90 mm stone size | 1 | 70 | 30 | 0.15 | 315.00 | | | | |
| | For Grade Slab | 2 | 5 | 3 | 0.15 | 4.50 | | | | |
| | For Entrance | | | | | 319.50 | Cum | 1873.00 | 598423.50 | UNIT ESTIMATE |
| 2 | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:3:6 (1 Cement : 3 coarse sand (zone-III): 6 graded stone aggregate 40 mm nominal size). | 45 | 1.4 | 1.4 | 0.075 | 6.62 | | | | |
| | in column foundation | 1 | 268.00 | 0.43 | 0.075 | 8.64 | | | | |
| | Below plinth beam | | | | | | | | | |

1043.00
598423.50

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| S. N | Item Description | No | Lengt h | Breadt h | Height | Qty | Unit | Rate | Amount | Item Reference |
|------|--|----|------------|-------------|--------|----------|------|---------|------------|----------------------|
| | Plinth Protection | 1 | 205.84 | 1 | 0.1 | 20.58 | | | | |
| | For Entrance | 2 | 5 | 3 | 0.1 | 3.00 | | | | |
| | For Flooring over soiling | 1 | 70 | 30 | 0.075 | 157.50 | | | | |
| | | | | | | 196.34 | Cum | 6126.25 | 1202841.17 | DSR Item No_ 4.1.6 |
| 3 | Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete 40 mm thick with 20 mm nominal size stone aggregate | 1 | 70 | 30 | | 2100.00 | Sqm | 498.35 | 1046535.00 | DSR Item No_ 11.3.1 |
| 4 | Providing and fixing glass strips in joints of terrazo/ cement concrete floors. 40 mm wide and 4 mm thick Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. (Note :- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/recoverable separately). | | | | | 11667.00 | RM | 75.15 | 876775.05 | DSR Item No_ 11.13.1 |
| 5 | All works upto plinth level | | | | | | | | | |
| | Column foundation | 45 | 1.2 | 1.2 | 0.35 | 22.68 | | | | |
| | Column 250x300 | 45 | 0.25 | 0.3 | 1.5 | 5.06 | | | | |
| | Plinth beam | 1 | 268.00 | 0.23 | 0.3 | 18.49 | | | | |
| | | | 5 | | | | | | | |
| | All works above plinth level upto floor V level | | | | | 46.23 | Cum | 7997.3 | 369753.93 | DSR Item No_ 5.33.1 |

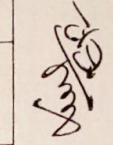
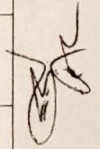
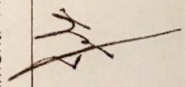
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| S. N | Item Description | No | Length h | Breadth h | Height | Qty | Unit | Rate | Amount | Item Reference |
|------|---|----|-------------|--------------|--------|--------|------|---------|-----------|--------------------|
| | Column (250x300) above plinth | 45 | 0.25 | 0.3 | 6 | 20.25 | | | | |
| | Column (230x230) above plinth Stool Column | 6 | 0.23 | 0.23 | 3 | 0.95 | | | | |
| | Band Lintel | 1 | 200.92 | 0.23 | 0.23 | 10.63 | | | | |
| | Tie Beam | 1 | 271 | 0.25 | 0.3 | 20.33 | | | | |
| | Chajja for Rolling shutter | 2 | 5 | 0.75 | 0.15 | 1.13 | | | | |
| | | | | | | 53.28 | Cum | 9400.85 | 500885.45 | DSR Item No_5.33.2 |
| 6 | Centering and shuttering including strutting, propping etc. and removal of form work for Foundations, footings, bases for columns sides of foundation | 45 | 4.8 | | 0.35 | 75.6 | sqm | 284.85 | 21534.66 | DSR Item No_5.9.1 |
| | Columns, piers, abutments, pillars, posts and struts | | | | | | | | | |
| | Sides of column above foundation | | | | | | | | | |
| | Columns (250x300) | 45 | 1.1 | | 7.5 | 371.25 | | | | |
| | Column (230x230) above plinth Stool Column | 6 | 0.92 | | 3 | 16.56 | | | | |
| | | | | | | 387.81 | sqm | 733.7 | 284536.20 | DSR Item No_5.9.6 |
| | Lintels, beams, plinth beams, girders, bressumers and cantilevers | | | | | | | | | |
| | Sides of Plinth Beam | 1 | 268.0 | | 0.6 | 160.80 | | | | |
| | Sides of band lintel | 1 | 200.9 | | 0.7 | 138.63 | | | | |
| | Sides of tie beam | 1 | 271.0 | | 0.9 | 230.35 | | | | |
| | | 0 | | | | | | | | |
| | | | | | | 529.79 | sqm | 552.05 | 292469.35 | DSR Item No_5.9.5 |
| | Weather shade, Chajjas, corbels etc., including edges | 2 | 5 | 0.75 | | 7.50 | Sqm | 766.75 | 5750.63 | DSR Item No_5.9.19 |

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| S. N | Item Description | No | Length h | Breadth h | Height | Qty | Unit | Rate | Amount | Item Reference |
|------|---|----|-------------|--------------|--------|----------|------|---------|-----------|---------------------|
| 7 | Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level and above. Thermo-Mechanically Treated bars of grade Fe-500D or more. | | | | | | | | | |
| | Consider 1.5 % of Total volume | | | | | 11717.98 | Kg | 83.5 | 978450.93 | DSR Item No_ 5.22.6 |
| | Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: | | | | | | | | | |
| | Wall-1 of Outer Drain | 1 | 146.58 | 0.23 | 0.3 | 10.11 | | | | |
| | Wall-2 of Outer Drain | 1 | 144.92 | 0.23 | 0.15 | 5.00 | | | | |
| | | | | | | 15.11 | Cum | 6376.25 | 96369.11 | DSR Item No_ 6.1.1 |
| 8 | Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level | | | | | | | | | |
| | Cement mortar 1:6 (1 cement : 6 coarse sand) | | | | | | | | | |
| | Center line | 1 | 200.92 | 0.23 | 3 | 138.63 | | | | |
| | Deduction for Rolling shutter | 2 | 5 | 0.23 | 3 | -6.90 | | | | |
| | | | | | | 131.73 | Cum | 7590.45 | 999926.41 | DSR Item No_ 6.4.2 |
| 9 | 12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand) on Internal Surface | | | | | | | | | |
| | Internal side | 1 | 200 | | 3 | 600.00 | | | | |
| | Deduct rolling shutter opening | 2 | 5 | | 3 | -30.00 | | | | |
| | | | | | | 570.00 | Sqm | 254.25 | 144922.50 | DSR Item No_ 13.1.2 |
| 10 | 12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand) in drain | | | | | | | | | |



| S. N | Item Description | No | Lengt h | Breadt h | Height | Qty | Unit | Rate | Amount | Item Reference |
|------|--|----|---------|----------|--------|----------|------|--------|------------|---------------------|
| | wall -1 | 1 | 146.58 | | 0.53 | 77.69 | | | | |
| | wall-2 | 1 | 144.92 | | 0.53 | 76.81 | | | | |
| | Bottom | 1 | 145.52 | 0.3 | | 43.66 | | | | |
| | | | | | | 198.15 | Sqm | 266.85 | 52876.59 | DSR Item No_13.1.1 |
| 11 | 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) on External Surface | | | | | | | | | |
| | External side | 1 | 201.84 | | 3 | 605.52 | | | | |
| | Deduct rolling shutter opening | 2 | 5 | | 3 | -30.00 | | | | |
| | | | | | | 575.52 | Sqm | 365.25 | 210208.68 | DSR Item No_13.3.1 |
| 12 | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete. | | | | | 1145.5 | Sqm | 115.15 | 131906.63 | DSR Item No_13.80 |
| | | | | | | 2 | | | | |
| 13 | Finishing walls with water proofing cement paint of required shade :New work (Two or more coats applied @ 3.84 kg/10 sqm) | | | | | 575.52 | Sqm | 91.25 | 52516.20 | DSR Item No_13.44.1 |
| 14 | Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade :New work (two or more coats) over and including water thinnable priming coat with cement primer | | | | | 570.00 | Sqm | 153.45 | 87466.50 | DSR Item No_13.41.1 |
| 15 | Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete | | | | | | | | | |
| | | | | | | 90261.00 | Kg | 101.75 | 9184056.75 | DSR Item No- 10.2 |

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| S. N | Item Description | No | Length h | Breadth h | Height | Qty | Unit | Rate | Amount | Item Reference |
|------|--|--------|-------------|--------------|--------|--------|------|--------|------------|----------------------|
| 16 | Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5 x 55 mm) with EPDM seal, complete upto 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. | 2244.2 | 0 | | | 2244.2 | Sqm | 627.55 | 1408347.71 | DSR Item No- 12.5 |
| 17 | Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade. New work (two or more coats) including a coat of approved steel primer but excluding a coat of mordant solution | | | | | 2244.2 | Sqm | 138 | 309699.60 | DSR Item No- 13.53.1 |
| 18 | Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete. On steel work | | | | | 3008.7 | Sqm | 189.75 | 570900.83 | DSR Item No- 13.52.1 |
| 19 | 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. | | | | | | | | | |
| | 0.80 mm thick with zinc coating not less than 275 | 141.20 | | | | 141.20 | RM | 765 | 108018.00 | DSR Item No- |

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| S. N | Item Description gm/m ² | No | Length h | Breadth h | Height | Qty | Unit | Rate | Amount | Item Reference |
|------|--|----|-------------|--------------|--------|-----|-------------------|--------|----------|-----------------------|
| 20 | Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. | | | | | | | | | 12.7.1 |
| | 110 mm diameter | | | | | 50 | RM | 305.05 | 15252.50 | DSR Item No-12.41.2 |
| 21 | Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. | | | | | | | | | |
| | Bend 87.5° | | | | | 12 | Nos | 129.85 | 1558.20 | DSR Item No-12.42.5.2 |
| | Shoe (Plain) | | | | | 6 | Nos | 113.8 | 682.80 | DSR Item No-12.42.6.2 |
| 22 | Providing & Fixing MS Clamp to hold wall mounted Rain water pipe in position including making necessary holes and fittings etc. | | | | | 48 | Nos | 50 | 2400.00 | NSI |
| 23 | Providing and fixing in position 12mm thick bitumen impregnated fiber per cm board conforming to IS : 1838, including cost of primer, sealing compound depth per Grade-A in expansion joints. | | | | | 1 | per cm dept | 557.65 | 557.65 | DSR Item No- 5.28 |
| 24 | Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to | | | | | | | | | |

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| S. N | Item Description | No | Length h | Breadth h | Height | Qty | Unit | Rate | Amount | Item Reference |
|------|---|----|-------------|--------------|--------|-----|------|-------------|-------------|---------------------|
| 25 | IS- 4454 - part 1 and M.S. top cover of required thickness for rolling shutters 80x0.90 mm M.S. laths with 0.90 mm thick top cover | | | | | 30 | Sqm | 2654.2 5 | 79627.50 | DSR Item No- 10.6.3 |
| 26 | Providing and fixing ball bearing for rolling shutters | | | | | 2 | each | 419.85 | 839.70 | DSR Item No- 10.7 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | 19896972.48 | 19887387.48 |
| | | | | | | | | | 2400.00 | |
| | | | | | | | | | | |
| | | | | | | | | | | |

S1-B 198.87

NSI-B 0.02

Stone Soling

| S.N | Item Description | No | Qty | Unit | Rate | Amount | Item Reference |
|-----|---|----|------|---------------|---------|---------|----------------|
| | Details of cost 3 m X 6 m and 150 mm thick area | | | | | | |
| 1 | Stone Boulder 50 mm to 200 mm | 1 | 2.7 | Cum | 850 | 2295.00 | DSR 18 7753 |
| 2 | Gravel 5 mm to 10 mm to fill voids | 1 | 0.54 | Cum | 850 | 459.00 | DSR 18 7754 |
| 3 | Sand Filling | 1 | 0.27 | Cum | 1953.05 | 527.32 | DSR 18 2.27 |
| 4 | Beldar to spread boulder & Gravel | 1 | 2 | Day | 558 | 1116.00 | DSR 18 0114 |
| | | | | Total | | 4397.32 | |
| | Add 15% CPOH | | | 15% | | 659.60 | |
| | | | | Total | | 5056.92 | |
| | | | | Total per Cum | | 1873.00 | |

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1843.6

| Qty Calculation of Truss of Open Shed(30X70) | | | |
|---|---------------|-------------|--------------------------------|
| | 30 | x | 70 |
| | | | m |
| Size of shed | | | |
| No of trusses | 15 | Nos | |
| No of Bays | 14 | Nos | |
| length of bay/ purlin | 5 | m | |
| No. of purlins | 28 | Nos | |
| Width of building/ Width of truss | 30 | m | |
| No of columns per bay | 3 | Nos | (with intermediate column) |
| Length of top chord / sag rod | 32.06 | m | |
| Steel quantities of Trusses | | | |
| Description | Units | Nos. | Length m |
| | | | Total length m |
| | | | Weight per meter 'kg/m' |
| | | | Total weight ' kgs' |
| Top & bottom chord (2 L 100x100X8 @24.2kg/m) | kg | 15 | 63.6 |
| Chord members (2L 60X60X6 @ 10.8Kg/m) | kg | 15 | 56 |
| Chord members (2L 50X50X6 @ 9Kg/m) | kg | 15 | 27.2 |
| purlins (MC 150 @ 16.8Kg/m) | kg | 392 | 5 |
| Tie members (MC 150 @ 16.8Kg/m) | kg | 194 | 5 |
| sag rod (12 dia @0.89kg/m) | kg | 14 | 32.06 |
| Cap plate (300x300x16thk@ 11.3kg/No) | kg | 45 | Nos |
| | | | 954 |
| | | | 24.2 |
| | | | 23086.8 |
| | | | 840 |
| | | | 10.8 |
| | | | 9072 |
| | | | 408 |
| | | | 9 |
| | | | 3672 |
| | | | 1960 |
| | | | 16.8 |
| | | | 32928 |
| | | | 970 |
| | | | 16.8 |
| | | | 16296 |
| | | | 448.84 |
| | | | 0.89 |
| | | | 399 4676 |
| | | | 11.3 |
| | | | 508.5 |
| | | | |
| | | | |
| | | | |
| Area of GI roof sheet cover | 2244.2 | sgm | Total weight of truss = |
| | | | 90261 |

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Subwork 19: Construction of Dry Waste Shed 1020 sqm at Processing Site

34 x 30 m

| S. N | Item Description | No | Length h | Breadth h | Height | Qty | Unit | Rate | Amount | Item Reference |
|------|---|--------------|-------------------------|---------------------|---------------------|-------------------------|------|---------------------|-----------|-------------------|
| 1 | Civil Work Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil. Upto 1.5 meter depth For column foundation (250x300) For PCC of Plinth Beam Side Drain | 21 1 1 | 1.4 125.12 135.04 | 1.4 0.43 0.96 | 1.95 0.25 0.4 | 80.26 13.45 51.86 | Cum | 252.3 | 36726.75 | DSR Item No_2.8.1 |
| 2 | Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth upto 50 m and lift upto 1.5 m, as directed by Engineer-in-Charge: 150 mm THK Well compacted stone soling voids should be filled and compacted with stone chipping and sand filling 60-90 mm stone size | 1 | 34 | 30 | | 1020.00 | Sqm | 92.55 | 94401.00 | DSR Item No_2.1.1 |
| 3 | For Grade Slab For Entrance | 1 2 | 34 5 | 30 3 | 0.15 0.15 | 153.00 4.50 | | 043.00 290272.50 | | |
| | | | | | | 157.50 | Cum | 1873.00 | 294997.50 | UNIT ESTIMATE |
| 2 | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:3:6 (1 Cement : 3 coarse sand (zone-III); 6 graded stone aggregate 40 mm nominal size) in column foundation Below plinth beam | 21 1 | 1.4 161.115 | 1.4 0.43 | 0.075 0.075 | 3.09 5.20 | | | | |

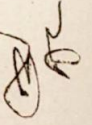
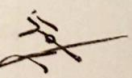
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| S. No | Item Description | No | Lengt h | Breadt h | Height | Qty | Unit | Rate | Amount | Item Reference |
|-------|---|----|---------|----------|--------|---------|------|---------|-----------|---------------------|
| | Plinth Protection | 1 | 133.84 | 1 | 0.1 | 13.38 | | | | |
| | Below Side drain | 1 | 135.04 | 0.96 | 0.075 | 9.72 | | | | |
| | For Entrance | 2 | 5 | 3 | 0.1 | 3.00 | | | | |
| | For Flooring over soling | 1 | 34 | 30 | 0.075 | 76.50 | | | | |
| | | | | | | 110.89 | Cum | 6126.25 | 679338.87 | DSR Item No_4.1.6 |
| 3 | Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete 40 mm thick with 20 mm nominal size stone aggregate | 1 | 34 | 30 | | 1020.00 | Sqm | 498.35 | 508317.00 | DSR Item No_11.3.1 |
| 4 | Providing and fixing glass strips in joints of terrazo/ cement concrete floors 40 mm wide and 4 mm thick Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge." (Note :- Cement content considered in this item is @ 330 kg/cum. "Excess/ less cement used as per design mix is payable/recoverable separately) | | | | | 3627.00 | RM | 75.15 | 272569.05 | DSR Item No_11.13.1 |
| 5 | | | | | | | | | | |
| | All works upto plinth level | 21 | 1.2 | 1.2 | 0.35 | 10.58 | | | | |
| | Column foundation | 21 | 0.25 | 0.3 | 1.5 | 2.36 | | | | |
| | Column 250x300 | 1 | 161.115 | 0.23 | 0.3 | 11.12 | | | | |
| | Plinth beam | | | | | 24.06 | Cum | 7997.3 | 192442.51 | DSR Item No_5.33.1 |

| S. N | Item Description | N | Lengt h | Breadt h | Height | Qty | Unit | Rate | Amount | Item Reference |
|------|--|--------|------------|-------------|--------|--------|------|-------------|-----------|-----------------------|
| | All works above plinth level upto floor V level | | | | | | | | | |
| | Column (250x300) above plinth | 21 | 0.25 | 0.3 | 6 | 9.45 | | | | |
| | Column (230x230) above plinth Stool Column | 6 | 0.23 | 0.23 | 3 | 0.95 | | | | |
| | Band Lintel | 1 | 128.92 | 0.23 | 0.23 | 6.82 | | | | |
| | Tie Beam | 1 | 163 | 0.25 | 0.3 | 12.23 | | | | |
| | Chajja for Rolling shutter | 2 | 5 | 0.75 | 0.15 | 1.13 | | | | |
| | | | | | | | | | | |
| | | | | | | 30.57 | Cum | 9400.8 5 | 287403.43 | DSR Item No_5.33.2 |
| 6 | Centering and shuttering including strutting, propping etc. and removal of form work for : | | | | | | | | | |
| | Foundations, footings, bases for columns sides of foundation | 21 | 4.8 | | 0.35 | 35.28 | sqm | 284.85 | 10049.51 | DSR Item No_5.9.1 |
| | | | | | | | | | | |
| | Columns, piers, abutments, pillars, posts and struts Sides of column above foundation | | | | | | | | | |
| | Columns (250x300) | 21 | 1.1 | | 7.5 | 173.25 | | | | |
| | Column (230x230) above plinth Stool Column | 6 | 0.92 | | 3 | 16.56 | | | | |
| | | | | | | 189.81 | sqm | 733.7 | 139263.60 | DSR Item No_5.9.6 |
| | Lintels, beams, plinth beams, girders, bressumers and cantilevers | | | | | | | | | |
| | Sides of Plinth Beam | 1 0 | 161.1 | | 0.6 | 96.67 | | | | |
| | Sides of band lintel | 1 0 | 128.9 | | 0.7 | 88.95 | | | | |
| | Sides of tie beam | 1 0 | 163.0 | | 0.9 | 138.55 | | | | |
| | | | | | | | | | | |
| | | | | | | 324.17 | sqm | 552.05 | 178960.15 | DSR Item No_5.9.5 |
| | Weather shade, Chajjas, corbels etc., including edges | | | | | | | | | |
| | | 2 | 5 | 0.75 | | 7.50 | Sqm | 766.75 | 5750.63 | DSR Item No_5.9.19 |

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| S. N | Item Description | No | Length h | Breadth h | Height | Qty | Unit | Rate | Amount | Item Reference |
|------|---|----|-------------|--------------|--------|-------------|------|-------------|-----------|--------------------|
| 7 | Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level and above. Thermo-Mechanically Treated bars of grade Fe-500D or more. | | | | | 6433.3 3 | Kg | 83.5 | 537183.09 | DSR Item No_5.22.6 |
| | Consider 1.5 % of Total volume | | | | | | | | | |
| | Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: | | | | | | | | | |
| | Wall-1 of Outer Drain | 1 | 74.58 | 0.23 | 0.3 | 5.15 | | | | |
| | Wall-2 of Outer Drain | 1 | 72.92 | 0.23 | 0.15 | 2.52 | | | | |
| | | | | | | 7.66 | Cum | 6376.2 5 | 48853.30 | DSR Item No_6.1.1 |
| 8 | Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level | | | | | | | | | |
| | Cement mortar 1:6 (1 cement : 6 coarse sand) | | | | | | | | | |
| | Center line | 1 | 128.92 | 0.23 | 3 | 88.95 | | | | |
| | Deduction for Rolling shutter | 2 | 5 | 0.23 | 3 | -6.90 | | | | |
| | | | | | | 82.05 | Cum | 7590.4 5 | 622832.86 | DSR Item No_6.4.2 |
| 9 | 12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand) on Internal Surface | | | | | | | | | |
| | Internal side | 1 | 128 | | 3 | 384.00 | | | | |
| | Deduct rolling shutter opening | 2 | 5 | | 3 | -30.00 | | | | |
| | | | | | | 354.00 | Sqm | 254.25 | 90004.50 | DSR Item No_13.1.2 |
| 10 | 12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand) in drain | | | | | | | | | |
| | wall -1 | 1 | 74.58 | | 0.53 | 39.53 | | | | |

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| S. N | Item Description | N | Leng h | Breadt h | Height | Qty | Unit | Rate | Amount | Item Reference |
|------|--|---|-----------|-------------|--------|----------|------|--------|------------|---------------------|
| | wall-2 | 1 | 72.92 | | 0.53 | 38.65 | | | | |
| | Bottom | 1 | 73.52 | 0.3 | | 22.06 | | | | |
| | | | | | | 100.23 | Sqm | 266.85 | 26746.64 | DSR Item No_13.1.1 |
| 11 | 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) on External Surface | | | | | | | | | |
| | External side | 1 | 129.84 | | 3 | 389.52 | | | | |
| | Deduct rolling shutter opening | 2 | 5 | | 3 | -30.00 | | | | |
| | | | | | | 359.52 | Sqm | 365.25 | 131314.68 | DSR Item No_13.3.1 |
| 12 | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete. | | | | | | | | | |
| | | | | | | 713.52 | Sqm | 115.15 | 82161.83 | DSR Item No_13.80 |
| 13 | Finishing walls with water proofing cement paint of required shade :New work (Two or more coats applied @ 3.84 kg/10 sqm) | | | | | | | | | |
| | | | | | | 359.52 | Sqm | 91.25 | 32806.20 | DSR Item No_13.44.1 |
| 14 | Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade :New work (two or more coats) over and including water thinnable priming coat with cement primer | | | | | | | | | |
| | | | | | | 354.00 | Sqm | 153.45 | 54321.30 | DSR Item No_13.41.1 |
| 15 | Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete | | | | | | | | | |
| | | | | | | 49488.00 | Kg | 101.75 | 5035404.00 | DSR Item No- 10.2 |

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| S. No | Item Description | No | Length h | Breadth h | Height | Qty | Unit | Rate | Amount | Item Reference |
|-------|---|----|-------------|--------------|--------|---------|------|----------|-----------|----------------------|
| 16 | Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto 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. | | | | | 1090.38 | Sqm | 627.55 ✓ | 684267.97 | DSR Item No- 12.50 |
| 17 | Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade. New work (two or more coats) including a coat of approved steel primer but excluding a coat of mordant solution | | | | | 1090.38 | Sqm | 138 | 150472.44 | DSR Item No- 13.53.1 |
| 18 | Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete. On steel work | | | | | 1649.60 | Sqm | 189.75 ✓ | 313011.60 | DSR Item No- 13.52.1 |
| 19 | Providing and Fixing Polyprolyne sheet as per drawing & technical specification (1.2m x 4.8m) above bend lintel | | | | | 128.00 | Sqm | 600 | 76800.00 | NSI |

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| S. N | Item Description | No | Length h | Breadth h | Height | Qty | Unit | Rate | Amount | Item Reference |
|------|--|----|-------------|--------------|--------|-------|---|--------|----------|-----------------------|
| 20 | 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 0.80 mm thick with zinc coating not less than 275 gm/m ² | | | | | 69.20 | RM | 765 | 52938.00 | DSR Item No-12.7.1 |
| 21 | Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (I) Single socketed pipes. 110 mm diameter | | | | | 50 | RM | 305.05 | 15252.50 | DSR Item No-12.41.2 |
| 22 | Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. Bend 87.5° | | | | | 12 | Nos | 129.85 | 1558.20 | DSR Item No-12.42.5.2 |
| | Shoe (Plain) | | | | | 6 | Nos | 113.8 | 682.80 | DSR Item No-12.42.6.2 |
| 23 | Providing & Fixing MS Clamp to hold wall mounted Rain water pipe in position including making necessary holes and fittings etc. | | | | | 48 | Nos | 50 | 2400.00 | NSI |
| 24 | Providing and fixing in position 12mm thick bitumen impregnated fiber per cm board conforming to IS: 1838, including cost of primer, sealing compound depth per Grade-A in expansion joints. | | | | | 1 | per cm dept h per 100 m | 557.65 | 557.65 | DSR Item No- 5.28 |

