

| <p align="center"><u>SURAT MUNICIPAL CORPORATION</u> <u>SOUTH ZONE-B (KANAKPUR)</u> MAINTENANCE AND REPAIRING WORK OF VARIOUS GARDEN, LAKE GARDEN AND SHANTIKUNJ IN AREA OF SOUTH ZONE -B (KANAKPUR) SURAT. <u>SCHEDULE-B</u></p> | | | | | |
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| SN | ITEM | Unit | QTY | SOR 24-25 Without GST & With 1% Cess | TOTAL |
| 1 | Excavation for foundation includ.sorting out & stacking of useful materials & disposing of the excavated stuff upto 50 mt. Lead & all lift, watering etc. Comp. (A) Loose or Soft soil Executed With Mechanised Efforts / Machinaries | | | | |
| | (1) Up to 1.5 Mt. depth | C.M. | 15.00 | 123.13 | 1846.95 |
| | (2) 1.5 to 3.0 Mt. depth | C.M. | 15.00 | 136.47 | 2047.05 |
| | (3) 3.0 to 5.0 Mt. depth | C.M. | 15.00 | 149.65 | 2244.75 |
| 2 | Excavation for foundation includ.sorting out & stacking of useful materials & disposing of the excavated stuff upto 50 mt. Lead & all lift, watering etc. Comp. (A) Loose or Soft soil Executed With Manual Labours | | | | 0.00 |
| | (1) Up to 1.5 Mt. depth | C.M. | 15.00 | 212.52 | 3187.80 |
| | (2) 1.5 to 3.0 Mt. depth | C.M. | 15.00 | 235.05 | 3525.75 |
| | (3) 3.0 to 5.0 Mt. depth | C.M. | 15.00 | 257.57 | 3863.55 |
| 3 | Providing & Laying C.C1:5:10 (1cement :5coarse sand :10 graded stone agg. 40 m.m Nominal size)& curing comp. excl. cost of from work in :Foundation & Plinth | C.M. | 15.00 | 2,606.92 | 39103.80 |
| 4 | Providing & laying cement concrete 1:4:8 (1 cement:4 coarse sand:8 graded stone agg. 40 mm nominal size) & curing comp. excl.cost of form work in (A) Foundation and Plinth | C.M. | 5.00 | 2,769.69 | 13848.45 |
| 5 | Providing & laying C.C 1:3:6 (1cement :3 coarse sand :6 Crushed stone agg 20m.m Nominal size)&curing comp. excl. cost of form work in :(a) foundation & Plinth | C.M. | 5.00 | 3,095.25 | 15476.25 |
| 6 | Providing & laying cement concrete 1:1.5:3 (1 cement:1.5 sand:3 graded stone agg. 20 mm nominal size)& curing comp. Includ.cost of form work but exclu. Cost of reinforcement for reinforced concrete work in : (A) Foundation, footing, Base of columns and Mass concrete. | C.M. | 5.00 | 4,250.50 | 21252.50 |
| 7 | Providing & laying ordinary cement con. 1:1.5:3 (1cement:1.5sand: 3 graded stone agg. 20 mm nominal size) finishing smooth curing etc. comp. Inclcd. Cost of form work but excl. Cost of reinforcement for R.C.C. Work in : Up to G.L./P.L. (A) COLUMNS: (1)Having c/s area up to 0.08 s.mt (2) Having c/s area more than 0.08 sq. mt. & upto 0.12 sq.mt (3) Having cross sectional area more than 0.12 sq. mt. (B) BEAMS : (1)Having c/s area up to 0.08s.mt (2) Having c/s area more than 0.08 sq. mt. & upto 0.12 sq.mt (3) Having cross sectional area more than 0.12 sq. mt. | | | | 0.00 |
| | (1)Having c/s area up to 0.08 s.mt | C.M. | 5.00 | 12,844.32 | 64221.60 |
| | (2) Having c/s area more than 0.08 sq. mt. & upto 0.12 sq.mt | C.M. | 5.00 | 11,166.97 | 55834.85 |
| | (3) Having cross sectional area more than 0.12 sq. mt. | C.M. | 5.00 | 9,201.68 | 46008.40 |
| | (B) BEAMS : | | | | 0.00 |
| | (1)Having c/s area up to 0.08s.mt | C.M. | 5.00 | 9,102.61 | 45513.05 |
| | (2) Having c/s area more than 0.08 sq. mt. & upto 0.12 sq.mt | C.M. | 5.00 | 8,174.41 | 40872.05 |
| | (3) Having cross sectional area more than 0.12 sq. mt. | C.M. | 5.00 | 7,086.88 | 35434.40 |
| 8 | Providing & fixing IS Mark TMT Bar FE 500D reinforcement for R.C.C. work incl. bending, binding & placing in position etc. comp. Upto G.L./P.L. | Kg. | 2000.00 | 77.29 | 154580.00 |
| 9 | Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Cement Mortar 1:6 (1- Cement : 6 -fine sand)(C) Fly Ash Bricks | C.M. | 10.00 | 4,441.11 | 44411.10 |
| 10 | Filling available excavated earth (excluding rock) in trenches. plinth, sides of foundations etc. in layers not exceeding 20 cm. in depth consolidating each disposed layer by ramming and watering. | C.M. | 130.39 | 136.92 | 17853.00 |
| 11 | Filling in foundation and plinth with murrum or selected soil in layers of 20cm. thickness including watering, ramming and consolidating etc. complete. | C.M. | 289.06 | 301.78 | 87232.53 |

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| 12 | 20mm thick sand faced cement plaster on walls upto height 10 metres above ground level consisting of 12mm thick backing coat of C.M. 1:3 (1-cement : 3-sand) and 8mm thick finishing coat of C.M. 1:1 (1-cement : 1- sand) etc. complete. | S.M. | 330.88 | 347.42 | 114954.33 |
| 13 | Providing & laying ordinary cement con. 1:1.5:3 (1cement:1.5sand:3 graded graded stone agg. 20 mm nominal size) finishing smooth curing etc. comp. Incl.. Cost of form work but excl. Cost of reinforcement for R.C.C. Work in : (A) COLUMNS: | | | | 0.00 |
| | (1)Having c/s area up to 0.08 s.mt- Ground Floor | C.M. | 0.50 | 12,844.32 | 6422.16 |
| | First Floor | C.M. | 0.50 | 12,885.28 | 6442.64 |
| | Second Floor | C.M. | 0.50 | 12,926.24 | 6463.12 |
| | Terrace (third) Floor | C.M. | 0.50 | 12,967.19 | 6483.60 |
| | (2) c/s area more than 0.08sq. mt. & upto 0.12 sq.mt - G.F | C.M. | 0.50 | 11,166.97 | 5583.49 |
| | First Floor | C.M. | 0.50 | 11,207.92 | 5603.96 |
| | Second Floor | C.M. | 0.50 | 11,248.88 | 5624.44 |
| | Terrace (third) Floor | C.M. | 0.50 | 11,289.83 | 5644.92 |
| | (3) Having cross sectional area more than 0.12 sq. mt. -- G.F | C.M. | 0.50 | 9,201.68 | 4600.84 |
| | First Floor | C.M. | 0.50 | 9,242.63 | 4621.32 |

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| | Second Floor | C.M. | 0.50 | 9,283.59 | 4641.80 |
| | Terrace (third) Floor | C.M. | 0.50 | 9,324.54 | 4662.27 |
| | (B) BEAMS : | | | | 0.00 |
| | (1) Having c/s area up to 0.08s.mt- Ground Floor | C.M. | 0.50 | 9,102.61 | 4551.31 |
| | First Floor | C.M. | 0.50 | 9,143.56 | 4571.78 |
| | Second Floor | C.M. | 0.50 | 9,184.52 | 4592.26 |
| | Terrace (third) Floor | C.M. | 0.50 | 9,225.47 | 4612.74 |
| | (2) Having c/s area more than 0.08 s.m. & upto 0.12 s.m -- G.F | C.M. | 0.50 | 8,174.41 | 4087.21 |
| | First Floor | C.M. | 0.50 | 8,215.36 | 4107.68 |
| | Second Floor | C.M. | 0.50 | 8,256.32 | 4128.16 |
| | Terrace (third) Floor | C.M. | 0.50 | 8,297.27 | 4148.64 |
| | (3) Having cross sectional area more than 0.12 sq. mt. -- G.F | C.M. | 0.50 | 7,086.88 | 3543.44 |
| | First Floor | C.M. | 0.50 | 7,127.84 | 3563.92 |
| | Second Floor | C.M. | 0.50 | 7,168.79 | 3584.40 |
| | Terrace (third) Floor | C.M. | 0.50 | 7,209.75 | 3604.88 |
| | (C) SLABS : | | | | 0.00 |
| | (2) Slabs having more than 8cm. and upto 10 cm. Th' - G.F | C.M. | 0.50 | 7,984.42 | 3992.21 |
| | First Floor | C.M. | 0.50 | 8,025.37 | 4012.69 |
| | Second Floor | C.M. | 0.50 | 8,066.33 | 4033.17 |
| | Terrace (third) Floor | C.M. | 0.50 | 8,107.28 | 4053.64 |
| | (3) Slabs having more than 10 cm. & upto 13 cm. Th' - G.F. | C.M. | 0.50 | 7,396.96 | 3698.48 |
| | First Floor | C.M. | 0.50 | 7,437.92 | 3718.96 |
| | Second Floor | C.M. | 0.50 | 7,478.87 | 3739.44 |
| | Terrace (third) Floor | C.M. | 0.50 | 7,519.83 | 3759.92 |
| | (4) Slabs having more than 13 cm. Thickness -- G.F | C.M. | 0.50 | 6,813.01 | 3406.51 |
| | First Floor | C.M. | 0.50 | 6,853.96 | 3426.98 |
| | Second Floor | C.M. | 0.50 | 6,894.92 | 3447.46 |
| | Terrace (third) Floor | C.M. | 0.50 | 6,935.87 | 3467.94 |
| | (D) LINTELS: -- G.F | C.M. | 0.50 | 9,982.37 | 4991.19 |
| | First Floor | C.M. | 0.50 | 10,023.32 | 5011.66 |
| | Second Floor | C.M. | 0.50 | 10,064.28 | 5032.14 |
| | Terrace (third) Floor | C.M. | 0.50 | 10,105.23 | 5052.62 |
| | (E) CHAJJAS: -- G.F | C.M. | 0.50 | 5,576.81 | 2788.41 |
| | First Floor | C.M. | 0.50 | 5,617.76 | 2808.88 |
| | Second Floor | C.M. | 0.50 | 5,658.72 | 2829.36 |
| | Terrace (third) Floor | C.M. | 0.50 | 5,699.67 | 2849.84 |
| 14 | Providing & laying ordinary cement con. 1:1.5:3 (1cement:1.5sand:3 graded graded stone agg. 20 mm nominal size) finishing smooth curing etc. comp. Incl.. Cost of form work but excl. Cost of reinforcement for R.C.C. Work in : (A) Stair cases including landings etc. | | | | |
| | Ground Floor | C.M. | 1.00 | 7,698.11 | 7698.11 |
| | First Floor | C.M. | 0.00 | 7,739.06 | 0.00 |
| | Second Floor | C.M. | 0.00 | 7,780.02 | 0.00 |
| | Terrace (third) Floor | C.M. | 0.00 | 7,820.97 | 0.00 |
| | (B) Vertical and horizontal fins | | | | 0.00 |
| | Ground Floor | C.M. | 1.00 | 11,613.07 | 11613.07 |
| | First Floor | C.M. | 0.00 | 11,654.03 | 0.00 |
| | Second Floor | C.M. | 0.00 | 11,694.99 | 0.00 |
| | Terrace (third) Floor | C.M. | 0.00 | 11,735.94 | 0.00 |
| 15 | Providing & fixing IS Mark TMT Bar FE 500d reinforcement for R.C.C. work incl. bending, binding & placing in position etc.comp.---Ground Floor | Kg. | 615.00 | 77.29 | 47533.35 |
| | First Floor | Kg. | 0.00 | 78.34 | 0.00 |
| | Second Floor | Kg. | 0.00 | 79.39 | 0.00 |
| | Terrace (third) Floor | Kg. | 0.00 | 80.44 | 0.00 |
| 16 | Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in Cement Mortar 1:6 (1- Cement : 6 -fine sand)(C) Fly Ash Bricks | C.M. | 5.00 | 4,729.83 | 23649.15 |
| | Ground Floor | | | | |
| | First Floor | C.M. | 0.00 | 5,018.55 | 0.00 |
| | Second Floor | C.M. | 0.00 | 5,307.27 | 0.00 |
| | Terrace (third) Floor | C.M. | 0.00 | 5,595.99 | 0.00 |

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| 17 | Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Cement mortar 1:4 (1- Cement : 4 - coarse sand) in foundation and plinth (C)Fly Ash Bricks | S.M. | | | 0.00 |
| | Ground Floor | S.M. | 10.00 | 712.81 | 7128.10 |
| | First Floor | S.M. | 10.00 | 719.37 | 7193.70 |
| | Second Floor | S.M. | 10.00 | 725.94 | 7259.40 |
| | Terrace (third) Floor | S.M. | 10.00 | 732.50 | 7325.00 |
| 18 | Uncoursed rubble masonry with hard stone of approved quality in foundations and plinth in cement mortar 1:6 (1 Cement : 6 sand) including leveling up etc. complete. | C.M. | 10.00 | 2,586.61 | 25866.10 |
| 19 | Pointing on Coursed stone masonry with cement mortar 1:3 (1 cement : 3 Sand) - -(A) Flush Pointing | S.M. | 97.04 | 101.89 | 9887.41 |
| | (B) Ruled Pointing | S.M. | 100.22 | 105.24 | 10547.15 |

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| 20 | Pointing on Uncoursed stone masonry with cement mortar 1:3 (1 cement : 3 Sand) --- (A) Flush Pointing | S.M. | 104.99 | 110.24 | 11574.10 |
| | (B) Ruled Pointing | S.M. | 108.81 | 114.25 | 12431.54 |
| 21 | Providing Rubble Pitching with hard stone of approved quality in cement mortar 1:6 (1 Cement : 6 Coarse sand) including leveling up ,Curing etc. complete excluding pointing | C.M. | | | 0.00 |
| 22 | Providing and filling rubbles including hand packing and filling interstices with quarry spalls behind abutments and between returns as directed. | C.M. | 10.00 | 1,094.11 | 10941.10 |
| 23 | Providing upto floor two level precast cementconcrete jali or grill 1:2:4 mix (1- Cement : 2- coarse sand : 4-graded stone aggregate 6mm nominal size) reinforced with 1.6 mm dia. Mild steel wire including roughening, cleaning, fixing and finishing in cement mortar 1:3 and curing complete. (B) 40mm thick. Ground Floor | S.M. | 10.00 | 741.93 | 7419.30 |
| | First Floor | S.M. | 10.00 | 752.39 | 7523.90 |
| | Second Floor | S.M. | 10.00 | 762.85 | 7628.50 |
| | Terrace (third) Floor | S.M. | 10.00 | 773.32 | 7733.20 |
| 24 | Providing & Applying 10mm.th.cement plaster in single coat on brick/ concrete walls similar surfaces for plastering & finished even & smooth with a floating coat of cement slurry mixed with admixture of lime or neeru in required proportion etc. comp. in C.M 1:3 (1 cement : 3sand) (A) For wall and similar surfaces -- Ground Floor | S.M. | 10.00 | 199.28 | 1992.80 |
| | First Floor | S.M. | 10.00 | 228.84 | 2288.40 |
| | Second Floor | S.M. | 10.00 | 258.39 | 2583.90 |
| | Terrace (third) Floor | S.M. | 10.00 | 287.94 | 2879.40 |
| | (B) For ceilings & soffits of stairs | | | | 0.00 |
| | Ground Floor | S.M. | 15.00 | 225.34 | 3380.10 |
| | First Floor | S.M. | 15.00 | 254.89 | 3823.35 |
| | Second Floor | S.M. | 15.00 | 284.45 | 4266.75 |
| | Terrace (third) Floor | S.M. | 15.00 | 314.00 | 4710.00 |
| 25 | Providing & Applying 15mm.th.cement plaster in single coat on brick/ concrete walls similar surfaces for plastering & finished even & smooth with a floating coat of cement slurry mixed with admixture of lime or neeru in required proportion etc. comp. in C.M 1:3 (1 cement : 3sand) (A) For wall and similar surfaces -- Ground Floor | S.M. | 25.00 | 249.39 | 6234.75 |
| 26 | 20mm thick sand faced cement plaster on walls for height more than 10 metres above ground level consisting of 12mm thick backing coat of C.M. 1:3 (1-cement : 3-sand) and 8mm thick finishing coat of C.M. 1:1 (1-cement : 1- sand) etc. complete. | S.M. | 50.00 | 347.42 | 17371.00 |
| 27 | Providing 20 mm thick double coat mala cement plaster on brick / concrete work for plastering comprising of base coat 12 mm thick cement plaster in cement mortar (1 Cement : 4 coarse sand) in rough finishing and 8 mm thick top coat of cement mortar 1:2 (1 Cement : 2 Coarse sand) finished with trowel including scaffolding curing etc. complete. | S.M. | 25.00 | 286.10 | 7152.50 |
| 28 | Providing & Applying 20mm. Th. Heavy Roller plaster on walls or similar surfaces at all floor levels consisting of 12 mm av. Th. Backing coat of C.M. 1:3 (1 cement:3 sand) & 8 mm. th. Finishing coat of C.M. 1:1 (1 cement: 1 sand) apply thick cement slurry and apply roller horizontal as well as vartical (two times) up to good quality and size of grain in elevation as per directed by engineer incharge. | S.M. | 25.00 | 324.00 | 8100.00 |
| 29 | Providing throating or plaster drip and moulding it to R.C.C. chajja etc. comp.. For all floor | R.M. | 41.56 | 43.74 | 1817.62 |
| 30 | Providing 20 mm deep finished groove in plaster in line and level etc. Comp. For all Floor (M.R.) | R.M. | 50.00 | 50.00 | 2500.00 |

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| 31 | Providing and laying precast terrazo tile 20mm thick white,black, white and black (or of the colour specified in specification of tender item) marble chips of sizes upto 6mm laid in floors, treads of steps and landings on a bed of 25mm average thickness of Lime mortar 1:1.5(1-Lime putty : 1.5 coarse sand) or C.M. 1:6 (1:cement :6 - coarse sand) jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and polishing complete with precast tiles of.(A) Light shades using white cement | S.M. | 25.00 | 647.25 | 16181.25 |
| 32 | Providing and laying polished Kota stone slab flooring over 20mm (Average) thick base of cement mortar 1:6 (1-cement : 6-coarse sand) or L.M. 1:1.5 (1-Lime putty :1.5 - coarse sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. complete. (A) 25mm thick | S.M. | 20.00 | 1,019.39 | 20387.80 |
| 33 | Providing and laying polished kota stone slab 25mm thick in risers of steps,skirting Dedo and pillars laid on 10mm thick cement mortar 1:3 (1-Cement : 3 coarse sand) and jointed with gray cement slury mixed with pigment to match the shade of slab including rubbing and polishing etc. complete. | S.M. | 10.00 | 1,130.79 | 11307.90 |
| 34 | Providing & Laying white glazed tiles 6mm. th. of Orient, Kajaria, Jhonson,Nitco,Somani ,Bell make at all floor levels, in flooring , treads of steps & landings laid on a bed of 12 mm. Av. Th.C.M.1:3(1cement :3 sand) finished with flush pointing in white cement etc.com. For all floors | S.M. | 10.00 | 900.29 | 9002.90 |
| 35 | Providing & Laying white glazed tiles 6mm. th. Of Orient, Kajaria, Jhonson,Nitco,Somani,Bell make at all floor levels in skirting risers of steps & dado on 10 mm. th. C.M.1:3(1cement :3 sand) including necessary cement paste for fixing and joined with white cement slurry etc. complete. For all floors | S.M. | 5.00 | 932.02 | 4660.10 |
| 36 | Providing and laying Ceramic tiles 6mm thick in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand) finishing with flush pointing in white cement. | S.M. | 5.00 | 960.42 | 4802.10 |
| 37 | Providing and laying Ceramic tiles 6mm thick in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3-coarse sand) and jointed with white cement slurry | S.M. | 5.00 | 1,037.25 | 5186.25 |
| 38 | Providing & laying marble stone slab flooring over 20 mm.av. base of C.M.1:6 (1 cement :6 coarse sand) & jointed with grey cement slurry incl. rubbing & polishing comp.(A) Marble slab 25 mm. Thick. | S.M. | 5.00 | 2,246.54 | 11232.70 |
| 39 | <i>Providing & laying granite slab 18mm thick in flooring, treads of steps and landing laid on bed of 20mm thick cement mortar 1:6 (1 Cement : 6 coarse sand) or lime mortar 1:1.5 laid and finished with flush pointing in white or colour cement including rubbing and polishing complete. (Basic Rate:- Rs.1347.46/S.M.)</i> | S.M. | 5.00 | 2,410.00 | 12050.00 |
| 40 | <i>Providing & laying granite slab 18mm thick in skirting, risers of steps, dedo and pillars laid on 10mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand) and finished with flush pointing in white or colour cement including rubbing & polishing comp.. (Basic Rate:- Rs.1347.46/S.M.)</i> | S.M. | 5.00 | 2,449.00 | 12245.00 |
| 41 | <i>Providing & laying granite slab 18mm thick in Window-Door seal Frame Etc laid on 10mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand) with nessary adhesive material and finished with flush pointing in white or colour cement, including rubbing & polishing comp.. (Basic Rate:- Rs.1000.0/S.M.)</i> | S.M. | 35.00 | 2,026.00 | 70910.00 |
| 42 | Labour Charges For Edge Finished For Granite | R.M. | 200.00 | 43.43 | 8686.00 |

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| 43 | Providing & laying Vitrified tiles of 8mm thick of Orient, Kajaria, Jhonson, Nitco, Somani, Bell, Asian or Euro make in flooring,treads of steps & Landing laid on bed of 20 mm (Average) base of cement mortar 1:6 (1 Cement : 6 Coarse sand) on new surface or fixing on existing flooring by adhesive material including dismentaling of existing flooring and jointed with colour cement slurry including finished with flush pointing & cleaning the surface etc. comp. Size 24" x 24" For Antiskid tiles | S.M. | 5.00 | 1,467.72 | 7338.60 |
| 44 | Providing and laying Vitrified tiles 8 to 10 mm thick , 24" x 24" in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) finishing with flush pointing in white cement. | Sqm. | 5.00 | 1,092.37 | 5461.85 |
| 45 | Providing and laying Vitrified tiles 8 to 10 mm thick , 24" x 24" in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1 cement : 3 coarse sand) and jointed with white cement slurry. | Sqm. | 5.00 | 1,135.80 | 5679.00 |
| 46 | Providing and laying Vitrified tiles 8 to 10 mm thick , 36" x 36" in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand) finishing with flush pointing in white cement. | Sqm. | 5.00 | 1,531.82 | 7659.10 |
| 47 | Providing and laying Vitrified tiles 8 to 10 mm thick , 36" x 36" in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1 cement : 3 coarse sand) and jointed with white cement slurry. | Sqm. | 5.00 | 1,592.40 | 7962.00 |
| 48 | Providing and laying chequered precast concrete tiles 22mm thick with aggregate of sizes upto 6mm in floors treads of steps and landing on 20mm thick bed of C.M. 1:6 (1 cement : 6 sand) or L.M. 1:1.5 (1 Lime putty : 1.5 sand) jointed with neat cement slurry with pigments to match the shade of the tiles. | S.M. | 25.00 | 545.76 | 13644.00 |
| 49 | Providing and laying rough chiseled dressed stone flooring over 20mm thick base of cement mortar 1:5 (1 cement : 5 coarse sand) or L.M. 1:1.5 including pointing with cement mortar 1:2 (1 cement : 2 stone dust) etc. (A) 25mm thick | S.M. | 25.00 | 576.79 | 14419.75 |
| 50 | Providing and laying cement concrete flooring 1:2:4 (1 cement : 2 course sand : 4 graded stone aggregate 20mm nominal size) laid in one layer finished with a floating coat of neat cement | | | | 0.00 |
| | (A) 40mm thick | S.M. | 50.00 | 319.03 | 15951.50 |
| | (B) 50mm thick | S.M. | 50.00 | 374.14 | 18707.00 |
| 51 | Providing & fixing 35mm.th. Flush Door Solid Double Core type Both Face water proof Ply Vennered & 1.5 mm th.laminate shall be pasted on both side with adhesives as specified by the manufacturers. The laminate shall be as per approved shade & texture, of make incl. Sal wood frames of finished size 12cm x 7cm.incl. S.S. Hinges with nessary screws & Anodized aluminum fixtures & fastenings For all Floor | S.M. | 20.00 | 3,720.00 | 74400.00 |
| 52 | Same as Above But Without Frame | S.M. | 5.00 | 2,520.00 | 12600.00 |
| 53 | Providing & fixing 35mm.th. Indian teak wood shutters for doors, windows & clearstory windows incl. Indian teak wood frames of finished size 12cm x 7cm.incl. anodized aluminum fixtures & fastenings incl. Primer coat of approved quality & two coats of oil painting etc. For all Floor (A) Fully Panelled | S.M. | 5.00 | 5,533.68 | 27668.40 |
| | (B) Partly Panelled and Partely Galzed | S.M. | 5.00 | 5,185.03 | 25925.15 |
| | (C) Fully Galzed | S.M. | 5.00 | 4,836.39 | 24181.95 |
| 54 | Providing and fixing 35mm thick shutters for Doors, windows and clearstory windows including anodised alluminium butt hinges with necessary screws. (A) Indian teak wood. (i) Fully Panelled. | S.M. | 5.00 | 4,101.06 | 20505.30 |

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|----|--|------|---------|----------|----------|
| 55 | Providing and fixing FRP FRAME size 125 x 65 mm and 35 mm thick FRP shutter with wood grain raised paneled design finish shutter having extra reinforcement on sides & edges in Gel coat finish. The core of the shutter & frame is to be filled up with injected polyurethane foam done in situ along with embedded wooden pieces for stiffening & also taking hinges & fixtures. The whole FRP frame & shutter is to be water proof weather proof, termite proof & resistance to mild acid/alkali. Rates are to be inclusive of S.S.hinges with fastener sleeve & alluminium fixtures & fastenings. | S.M. | 5.00 | 2,019.98 | 10099.90 |
| 56 | Providing and fixing FRP of 35mm thick Fiber Glass shutter with 1.5 to 2.0 mm thick fire retardant grade FRP skin in depressed panel design having extra reinforcement on sides & edges & in Gel coat finish. The core of the shutter is to be filled up with injected retardant grade polyurethane foam done in situ alongwith embedded wooden pieces for stiffening & also taking hinges & fictures. The whole FRP frame & shutter is to be water proof ,weather proof, termite proof & resistance to mild acid/alkali. Rates are to be inclusive of S.S hinges with necessary screws & alluminium fixtures & fastenings. | S.M. | 5.00 | 1,269.63 | 6348.15 |
| 57 | Providing & fixing M.S.Grills of required pattern to wooden frames of windows etc. At all floor levels with M.S. flats at required spacing & frame around square or round bars with round headed bolts & round headed bolts and nuts or by screws incl. Priming coat of Red lead paint etc. comp. (A) Plain grill For all Floors | Kg. | 100.00 | 109.41 | 10941.00 |
| 58 | Providing & fixing in position collapsible steel shutters with vertical channels 20 x10 x 2 mm. Braced with flat iron diagonals 20 x5mm size with top & bottom rails of T-iron 40x40x6mm. with 38mm dia. steel pulleys comp. with bolts, locking arrangements, stoppers, handles incl. applying a priming coat of Redlead paint etc. comp. | S.M. | 5.00 | 6,158.35 | 30791.75 |
| 59 | Providing and fixing M.S. Fan clamps type 1 to 16 mm dia M.S. bar bent to shpe with hooked ends to RCC slabs curing, layig including painting the exposed portion of loops, all as per standard design complete. | Each | 130.00 | 135.47 | 17611.10 |
| 60 | Providing & laying ordinary C.C.1:1.5:3 mix for R.C.C. work incl. boxing, centering, vibrating, curing & mixed with approved water proofing cement compound or "CEMWET"or"PIDICRETE LW"integral water proofing admixture as water proofing agent to be mixed with 50 kg. cement bag shall be as recommended by the manufacture of the water proofing material, concrete work for top, bottom slab & side pardi for Under ground Tank & Item incl. Necessary excavation & refilling the available earth, 15 cm th' C.C 1:4:8 for bedding concrete, Half B.M. in C.M. 1:4 outside wall, inside R.C.C. pardi as per design, 10mm.th. water proofing cement plaster in C.M. 1:3 with smooth finishing,watering etc.Comp.to all inner face & bottom of tank curing etc. comp. incl. Locking arrangement, outlet, inlet, overflow & wash out pipe arrangement as necessary & C.I. Cover 0.60 x .045 weight not less then 35kg. etc. com. as per structural drawing excluding Steel & as directed by Engineer- in-charge | | | | |
| | Underground tank | Lit. | 1000.00 | 6.87 | 6870.00 |
| 61 | Providing and filling in depressions of Bath and W.C. At all floor levels, after completing plumbing work of pans, pipes, traps etc. with cinder or fly ash as directed by Engineer in charge etc. comp.. | C.M. | 5.00 | 500.00 | 2500.00 |
| 62 | NOTE :- (1) The whole work is to be executed through specialized agency with a guarantee of 10 (Ten) years given on a prescribed proforma duly stamped (2) The rate shall include for work at all floors & conducting water proof test as directed. (M.R.) | | | | 0.00 |

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|----|--|------|-------|----------|---------|
| | <p>(A) Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C.,kitchen and the like consisting of :</p> <p>(a) I course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS : 2645 in recommended proportions.</p> <p>(b) II course of a layer of plaster in C.M. 1:3 with water proofing compound confirming to IS:2645 about 25 mm. th' in the floor of the depression & about 18mm th' On the side walls of the depression up to the floor level, water proofing plaster about 18 mm. th' be continued on the walls above the floor level for a height of 600 mm. with surface suitable to receive further treatment</p> <p>(c) Finishing top with stone aggregate 10mm to 12mm nominal size spreading @0.008 C.M./S.M., thoroughly embedad in plaster layer.</p> <p>as per specifications & instructions of Engineer in charge (Cement consumption 0.316 Bags / S.M.)</p> | S.M. | 10.00 | 296.00 | 2960.00 |
| | <p>(B) Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc. consisting of following operations.</p> <p>(a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the R.C.C. slab including cleaning the surface before tratment.</p> <p>(b) Laying cement concrete using broken bricks/brick bats 25 mm to 100 mm size with 50% of cement mortar 1:5 (1 Cement : 5 Coarse sand) admixed with proprietary water proofing compound conforming to IS:2645 ,brick bats is finally covered by jointless cement plaster 20mm th. in C.M. 1:4 added with special water proofing compound confirming to IS:2645 & top smooth finished with trowel with false chequered marking of 300 mm.size.The treatment is carried along the vertical surface of the parapet & other adjoining wall up to height of about 300 mm in a shape of quarter round vata Incl. curing etc. Comp. With average thickness of 120 mm and minimum thickness at khurra as 65 mm.</p> | S.M. | 5.00 | 511.00 | 2555.00 |
| | <p>(c) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be down in order and as directed and specified by the engineer-in-charge. With average thickness of 120 mm and minimum thickness at khurra as 65 mm. (Cement consumption 0.511 Bags / S.M.)</p> | | | | 0.00 |
| 63 | <p>Providing & laying water proofing treatment to vertical and horizontal surfaces like consisting of (a) I course of applying cement slurry 4.4 kg per sq.mt. mixed with water proofing compound confirming to IS:2645 in recommended proportions. (b) II corse of 20mm cement plaster 1:3 mixed with water proofing compound in recommended proportion (c) III course of applying blown or / resideal bitumen applied hot at 1.7 kg per sqm of area. (d) IV course of 400mm micron th. PVC sheet. (Overlaps at joints of PVC sheet should be 200mm wide and pasted to each other with bitumen about 1.7 kg./ sqm.)</p> | S.M. | 5.00 | 505.00 | 2525.00 |
| 64 | Providing & fixing G.I. Rain water spout of 50 mm.dia & 30 cm length etc. | No. | 5.00 | 101.91 | 509.55 |
| 65 | Providing & fixing at all floor levels, both face polished machine cut edge green kota stone slab (30mm) for urinal partition joined with grey cement slurry (1:1) incl. Rubbing & polishing etc. complete. (M.R.) | S.M. | 5.00 | 900.00 | 4500.00 |
| 66 | Providing & fixing at all floor levels, both face polished machine cut edge Marble slab for urinal partition joined with grey/White cement slurry (1:1) incl. Rubbing & polishing etc. complete. (M.R.)(Basic Cost- Rs. 450/S.M.) | S.M. | 5.00 | 1,050.00 | 5250.00 |
| | WATER SUPPLY AND SANITARY ITEMS | | | | 0.00 |

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|----|---|------|-------|----------|----------|
| 67 | Prov.& Fixing water closet squatting pan (Indian type W.C.pan) at all floor levels, size 580mm incl. 100 mm size "P"or "S" trap for water closet squatting pan joining the trap with the pan & soil pipe in C.M. 1:1 (1cement :1 fine sand) etc. Comp.(A) Vitreous china long pattern of approved colour For all Floor | No. | 5.00 | 1,471.41 | 7357.05 |
| 68 | Providing and fixing Wash Down Water closet European type W.C. pan with integral P or S trap including jointing the trap with soil pipe in cement mortar 1:1 (1 cement : 1 find sand) (seat and cover to be measured and paid for separately) (A) Viterous china pattern - I (i) in approved colour | Each | 5.00 | 1,356.81 | 6784.05 |
| 69 | Providing and fixing plastic seat and cover for wash down water closet with C.P. brass hinges and rubber buffers (B) Plastic seat and cover. | Each | 5.00 | 291.33 | 1456.65 |
| 70 | Providing & fixing wash basin with single hole for pillar tap at all floor levels, with C.I. or M.S. Brackets painted white incl. cutting holes & making good the same incl. fittings such as pillar tap , capstan head screw down high pressure with screws, shanks & back nuts, C.P. Brass waste trap , screw down stop tap 15 mm. dia. etc. complete. (A) Vitreous china flat back wash basin 550 mm.x 400 mm. size in approved colour For all Floor | No. | 25.00 | 2,132.94 | 53323.50 |
| 71 | Providing & fixing Urinal or approved quality including connecting the Urinal with waste pipe, tap etc. complete. (A) White earthenware flat back or corner type size 430 mm x 260mm x 350mm | Each | 5.00 | 1,074.86 | 5374.30 |
| 72 | Providing & fixing 600 mm.x 450 mm. mirror of superior glass at all floor levels, mounted on 6 mm. th. A.C. sheet or plywood sheet & fixed to wooden plugs with C.P.brass screws and washers etc. For all Floor | No. | 5.00 | 859.41 | 4297.05 |
| 73 | Prov. & Fixing S.W. Gully trap with C.I.grating brick masonry (C.M 1:5)chamber & water tight C.I. cover with frame of 300mmx300mm size (inside) with weight includ. plastering smooth inside & outside 15mm. th' in C.M.1:3 etc. comp. (i) Square mouth traps---(A) 100mm x 100mm Size -P type | No. | 5.00 | 1,292.19 | 6460.95 |
| | (B) 150mm x 100mm Size- P Type | No. | 5.00 | 1,246.92 | 6234.60 |
| 74 | Prov. & Fixing S.W. Gully trap with C.I.grating brick masonry (C.M 1:5)chamber & water tight Pre cast R.C.C. cover of 300mmx300mm size (inside) includ. plastering smooth inside & outside 15mm. th' in C.M.1:3 etc. comp. (i) Square mouth traps---(A) 300mm x 300mm Size -P type | No. | 5.00 | 1,098.05 | 5490.25 |
| | (B) 150mm x 100mm Size- P Type | No. | 5.00 | 1,052.77 | 5263.85 |
| 75 | Prov. & Fix. 10 cm.x15 cm.(4" x 6") S.W. trap with Inside dimension ,455 x 610 mm & 450 mm deep sewer trap chamber with 23 cm th' B.B. masonry walls in C.M 1:5 with cement plaster 15 mm th' in C.M. 1:3 inside & outside to exposed faces, R.C.C. top slab with 1:2:4 mix (1 cement: 2 Sand : 4 Grade stone aggregate 20mm size) ,Foundation concrete 1:5:10 & fixing C.I. cover with frame to be not less than 38 kg. On top etc. comp. for single pipe. | No. | 5.00 | 3,166.77 | 15833.85 |
| | .(A).Same as above but Precast RCC heavy duty Cover instead of C.I. Cover | No. | 5.00 | 2,915.61 | 14578.05 |
| | Extra for every additional depth of 0.1 mt beyoung 0.45 mt | Each | 5.00 | 233.85 | 1169.25 |
| 76 | Providing & construction simple chamber of 23 cm. th' B.B. Masonary in C.M 1:5 with cement plaster 15 mm th' in C.M. 1:3 inside & outside to exposed faces, R.C.C. top slab with 1:2:4 mix (1 cement: 2 Sand : 4 Grade stone aggregate 20mm size) ,Foundation concrete 1:5:10 & fixing C.I. cover with frame to be not less than 38 kg. On top etc. comp. Inside dimension,455 x 610 mm &450 mm deep for single pipe | No. | 5.00 | 2,932.93 | 14664.65 |
| | (A) Same as above but Precast RCC heavy duty Cover instead of C.I. Cover | No. | 5.00 | 2,681.76 | 13408.80 |
| | Extra for every additional depth of 0.1 mt beyoung 0.45 mt | Each | 5.00 | 242.39 | 1211.95 |

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|----|--|------|--------|--------|----------|
| 77 | Providing, Lowering & laying joining R.C.C. NP2 CLASS Pipe In C.M. 1:1 of following nominal internal diameters incl. Testing of pipes and joints etc. Comp | | | | |
| | (A) 150 mm. dia | R.M. | 5.00 | 257.19 | 1285.95 |
| 78 | Providing & laying in trenches galvanised mild steel tubes (medium grade) TATA / ZENITH / ASIAN / JINDAL MAKE of the following nominal bore & tube fittings etc. comp..- 25mm.dia. | R.M. | 5.00 | 282.98 | 1414.90 |
| | (C) 40 mm. dia. | R.M. | 5.00 | 426.40 | 2132.00 |
| | (D) 65 mm. dia. | R.M. | 10.00 | 725.71 | 7257.10 |
| 79 | Providing & Fixing to wall, ceiling floor at all floor levels, galvanised mild steel tubes(medium grade) TATA / ZENITH / ASIAN / JINDAL MAKE of the following nominal bore, tube, fittings & clamps incl. making good the wall ceiling and floor etc. complete. | R.M. | 50.00 | 252.49 | 12624.50 |
| | (A) 15 mm. dia. | | | | |
| | (B) 25 mm. dia. | R.M. | 50.00 | 401.95 | 20097.50 |
| | (C) 40 mm. dia. | R.M. | 50.00 | 608.35 | 30417.50 |
| | (D) 50 mm. dia. | R.M. | 50.00 | 794.18 | 39709.00 |
| 80 | Providing & Fixing C.P. Brass screw down bib tap at all floor levels, polished bright etc. comp..-(A) 15mm dia. For all Floors | No. | 10.00 | 186.83 | 1868.30 |
| | Providing & Fixing gun metal check or non return full way wheel valve at all floors levels, etc. complete. (A) 15 mm. dia. | No. | 10.00 | 186.83 | 1868.30 |
| | (B) 25 mm. dia. | No. | 10.00 | 420.63 | 4206.30 |
| | (C) 40 mm. dia. | No. | 10.00 | 663.43 | 6634.30 |
| 81 | Providing & Fixing chromium plated brass half turn flush cock at all floor levels, of approved quality incl. fixing in pipe line etc. Comp.-- 25 mm dia. | No. | 10.00 | 263.77 | 2637.70 |
| 82 | Providing & Fixing abonite ball cock of approved qualities directed etc. comp. (A) 25 mm. dia. | No. | 10.00 | 102.91 | 1029.10 |
| 83 | Providing and fixing C.I. Machinehole cover 0.60 x 0.45 mt. Size having weight not less than 35 Kg. etc. complete. | No. | 10.00 | 958.17 | 9581.70 |
| 84 | Providing & Fixing U-PVC pipe (SWR) confirming to IS no. 13592 (Type "B") of Prince/Supreme/Jain/Astral/Tulsi/Finolex make for soil and waste discharge system at all floor levels incl. All fixtures like bends, tees, shoe etc. jointed with resin of approved brand & manufacture etc. comp. (M.R.) (a) 75mm Dia | R.M. | 50.00 | 412.00 | 20600.00 |
| | (B) 110 mm. Dia. | R.M. | 50.00 | 444.00 | 22200.00 |
| | (C) 160 mm. Dia. | R.M. | 50.00 | 731.00 | 36550.00 |
| 85 | Providing & fixing U-PVC pipes Confirming to IS no. 13592 (Type "A") of Prince/Supreme/Jain/Astral/ Tulsi/Finolex make for rain water at all floor levels incl. fixtures like bends, tees, shoe etc jointed with resin of approved brand & manufacture etc. comp. (M.R.) (A) 75 mm. Dia. | R.M. | 50.00 | 203.00 | 10150.00 |
| | (B) 110 mm. Dia. | R.M. | 50.00 | 325.00 | 16250.00 |
| | (C) 160 mm. Dia. | R.M. | 50.00 | 674.00 | 33700.00 |
| 86 | Providing, Laying and jointing on true line and level UPVC pipe (SCH-40) line of Prince/Supreme/Jain/Astral/ Tulsi/Finolex make including fittings make or equivalent as approved by engineer-in-charge. Pipe shall be fixed on the wall the help of clamp at every two meter C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials. | | | | 0.00 |
| | (A) 15 mm dia. | R.M. | 200.00 | 72.65 | 14530.00 |
| | (B) 25 mm dia. | R.M. | 100.00 | 91.84 | 9184.00 |
| | (C) 32 mm dia. | R.M. | 100.00 | 119.15 | 11915.00 |
| | (D) 40 mm dia. | R.M. | 100.00 | 148.12 | 14812.00 |
| | (E) 50 mm dia. | R.M. | 100.00 | 195.67 | 19567.00 |
| | (F) 65 mm dia. | R.M. | 100.00 | 494.00 | 49400.00 |

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| 87 | Providing & Fixing P.V.C. pipes (SCH-80) of Prince/ Supreme/ Jain/ Astral/ Tuls/Finolex make for water supply line at all floor levels incl. fixtures like bends, tees, shoe etc joined with resin of approved brand & manufacture etc. comp. Pipe shall be fixed on the wall the help of clamp at every two meter C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials. | | | | 0.00 |
| | (A) 15 mm dia. | R.M. | 20.00 | 166.00 | 3320.00 |
| | (B) 25 mm dia. | R.M. | 20.00 | 256.00 | 5120.00 |
| | (D) 40 mm dia. | R.M. | 20.00 | 372.00 | 7440.00 |
| | (E) 50 mm dia. | R.M. | 20.00 | 510.00 | 10200.00 |
| | (F) 65 mm dia. | R.M. | 20.00 | 635.00 | 12700.00 |
| 88 | Providing and fixing PVC SWR Nahni trap IS 14735 for drain - 110x110 mm diameter with jali of the following nominal diameter of self cleaning design with C.I. screed down or hinged grating including the cost of cutting and making good the walls. | NO | 20.00 | 586.27 | 11725.40 |
| 89 | Providing & Fixing in position PVC Cowl vent to pipes of Prince/Supreme/Jain/Astral/Tulsi/Finolex make etc.Comp. (A) 75 mm. dia. | NO | 20.00 | 40.00 | 800.00 |
| | (B) 110 mm Dia. | NO | 20.00 | 50.00 | 1000.00 |
| 90 | Providing & fixing M.S. Holder Bat clamps at all floor levels of approved design to C.I. Or S.C.I pipes including the cost of cutting holes & making good the wall etc. Complete - 100 mm. dia. (M.R.) | No. | 20.00 | 30.00 | 600.00 |
| 91 | Providing & fixing G.I./Aluminum Patti clamps at all floor levels of approved design to C.I. Or S.C.I pipes including the cost of cutting holes & making good the wall etc. Complete - 100 mm. dia. (M.R.) | No. | 20.00 | 20.00 | 400.00 |
| 92 | Providing erecting and fixing double coated Sintex/Super/Reno PVC (ISI) mark water tank of required capacity each with all necessary fittings & connection etc. complete on terrace. | Lit. | 10000.00 | 3.95 | 39500.00 |
| 93 | Providing & Fixing Kathi around the vertical PVC drainage pipes for concealing with cement plaster 20 mm avg thickness(CM 1:3 [1 cement :3 coarse sand]) finishing as per instruction given by Eng. incharge. for | | | | 0.00 |
| | (A) 75 mm PVC PIPE | R.M. | 50.00 | 173.00 | 8650.00 |
| | (B) 100 mm /110 mm PVC PIPE | R.M. | 50.00 | 180.00 | 9000.00 |
| | ITEMS FOR COMPOUND WALL & OTHER MISC. ITEMS :- | | | | 0.00 |
| 94 | Boring holes 3.5 mt.deep in ordinary soil (for cast in situ piles) & disposal of the surplus excavated soil as directed within a lead of 50 M. For following diameter of piles. | | | | 0.00 |
| | (1) 200 m.m. | R.M. | 0.00 | 296.58 | 0.00 |
| | (2) 250 m.m. | R.M. | 0.00 | 334.80 | 0.00 |
| | (3) 300 m.m. | R.M. | 50.00 | 401.28 | 20064.00 |
| 95 | Providing & laying cement concrete 1:2:4 (1 cement:2 sand:4 graded stone agg. 20 mm nominal size)& curing comp. Includ.cost of form work but exclu. Cost of reinforcement for reinforced concrete work in : (A) Foundation, footing, Base of columns and Mass concrete. | C.M. | 50.00 | 3,741.69 | 187084.50 |
| 96 | Providing & laying ordinary cement con. 1:2:4 (1cement:2sand: graded stone agg. 20 mm nominal size) finishing smooth curing etc. comp. Incl. Cost of form work but excl. Cost of reinforcement for R.C.C. Work in : Up to G.L./P.L. (A) COLUMNS: | | | | 0.00 |
| | (1)Having c/s area up to 0.08s.mt | C.M. | 1.00 | 12,335.51 | 12335.51 |
| | (2) Having c/s area more than 0.08 sq. mt. & upto 0.12 sq.mt | C.M. | 0.00 | 10,658.16 | 0.00 |
| | (3) Having cross sectional area more than 0.12 sq. mt. | C.M. | 0.00 | 8,692.87 | 0.00 |
| | (B) BEAMS : | | | | 0.00 |
| | (1)Having c/s area up to 0.08s.mt | C.M. | 1.00 | 8,593.80 | 8593.80 |
| | (2) Having c/s area more than 0.08 sq. mt. & upto 0.12 sq.mt | C.M. | 0.00 | 7,665.60 | 0.00 |

| | | | | | |
|-----|--|------|--------|-----------|-----------|
| | (3) Having cross sectional area more than 0.12 sq. mt. | C.M. | 0.00 | 6,578.07 | 0.00 |
| 97 | Providing & laying C.C 1:3:6 (1cement :3 coarse sand :6 crushed stone agg. 20 m.m Nominal size)& curing comp. incl. cost of from work in: wall caps/ copings. | C.M. | 1.00 | 4,085.83 | 4085.83 |
| 98 | Steel work welded in built up sections, framed work including cutting, hoisting, fixing in position and applying a priming coat of red lead paint | | | | 0.00 |
| | (A) in beams & joists channels angles, tees, flats with connection plates or angle cleats as in main & cross beams,hip & trussed purlins connected to common rafter & the like. | Qtl. | 1.00 | 9,108.48 | 9108.48 |
| | (B)For work like chain link fencing, above compound wall etc. | Qtl. | 1.00 | 9,108.48 | 9108.48 |
| | (C) in trusses & trussed purlins upto 25m.Span &15m.Overall height | Qtl. | 1.00 | 10,197.11 | 10197.11 |
| 99 | Providing and fixing G.I. chain link of 50mm x 50mm size x 10 guage thick with nuts, bolts, washer or G.I. pins, excluding M.S. angles etc.complete as per relevent IS specification & directed by engineer in charge. (TATA or Jindal Make) | SM | 500 | 311 | 155500.00 |
| | Providing and fixing hot dip Concertina coil of 610 mm dia. made out of 2.59mm (12 SWG) hot dip galvanized (G.I. coating not less than 200 gm/sq.m) th. wire having 80 nos. of spikes and 200 nos. of clip made out of stainless steel (AISI 304 1.5 mm th. dia., G.I. strips 0.5 mm th. (C.I. coating not less than 120 gm/sq.m.) weight of one coil should not be less than 15 kg. etc. complit, at the top of compound wall fixed with S.S. clips and binding wires wherever necessary etc. complit. (Note :- Stretching lehghth of one coil should not be more than 9 mt.) | R.M. | 500.00 | 314.00 | 157000.00 |
| 100 | Providing and fixing and fitting TATA or Jindal make G.I. barbed wire fencing with necessary barbed wire (12 x 14 guage, weight not less than 0.14 kg. / mt.) pins, hooks, excluding M.S. angles etc. complete as per relevent IS specification.& directed by engineer in charge | Kg. | 500.00 | 125.00 | 62500.00 |
| 101 | Providing & fixing colouron galvaniced steel, zinc / aluminium allus coated sheet 0.5 mm. thick roofing fixed with gslvanised grom J or L hook bolts and bolt 8mm dia with bituman and impet washer filled with white lead etc. Excluding the cost of purlins rafter and trusses. (Tata / Jindal or equivalent) | S.M. | 10.00 | 999.00 | 9990.00 |
| 102 | Providing corrugated G.I. Sheets of class-3 roofing fixed with glavanished iron J or L Hooks, Bolts and nuts 8m diameter with bitumen and G.I. limpet washer or G.I. limpet washer. filled with white lead complete excluding the cost of purlins, Rafters and Trusses. (1) 0.80 mm thick sheet. (Tata / Jindal or equivalent) | S.M. | 10.00 | 734.19 | 7341.90 |
| 103 | Providing corrugated G.I. Sheets of class-3 roofing fixed with glavanished iron J or L Hooks, Bolts and nuts 8m diameter with bitumen and G.I. limpet washer or G.I. limpet washer. filled with white lead complete excluding the cost of purlins, Rafters and Trusses. (1) 0.63 mm thick sheet. (Tata / Jindal or equivalent) | S.M. | 10.00 | 1,016.00 | 10160.00 |
| 104 | Providing & fixing 150mm wide 450mm over all semicircular plain G.I. sheet class-3 gutter with iron brackets 40mm x 3mm size bolts, nuts, washers etc. including marking necessary connection with rain water pipes. (i) 0.8 mm thick | R.M. | 25.00 | 581.32 | 14533.00 |
| 105 | Providing ridges or hips 600mm over all in plain G.I. sheet fixed with G.I. "J" of "L" hooks bolts and nuts 8mm dia G.I. limpet and bitumen washer complete (1) 0.80 mm thick | R.M. | 25.00 | 664.70 | 16617.50 |
| 106 | Providing & fixing 150mm wide 450mm over all semicircular plain G.I. sheet class-3 gutter with iron brackets 40mm x 3mm size bolts, nuts, washers etc. including marking necessary connection with rain water pipes. (i) 0.63mm thick | R.M. | 25.00 | 412.00 | 10300.00 |

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|-----|--|------|-------|-----------|----------|
| 107 | Providing ridges or hips 600mm over all in plain G.I. sheet fixed with G.I. "J" of "L" hooks bolts and nuts 8mm dia G.I. limpet and bitumen washer complete (1) 0.63mm thick sheet | R.M. | 25.00 | 464.00 | 11600.00 |
| 108 | Providing & Fixing UV stabilise FRP Sheet roofing with overlapping the main cladding on both edges. All fixing holes must be predrilled oversize as specified for the sheet length and fastener being used. Fasteners must be fitted with approved washers. Fixings should be tightened to ensure a weatherproof seal but they must not be over tightened Side-lap fasteners must also be installed at specified centers with the FRP sheet having clearance holes provided as per the main fasteners Weatherproofing shall be provided at all flashing points under the normal flashing by the fitting of a foam closure strip to match the profile being used. Closure strips will be sealed to the sheet with an appropriate non setting silicone sealant. Excluding the cost of purlins rafter and trusses. | | | | 0.00 |
| | (a) 1.5 mm thick | SM | 5.00 | 992.00 | 4960.00 |
| | (b) 2 mm thick | SM | 5.00 | 1,100.00 | 5500.00 |
| 109 | Providing & Fixing Polycarbonate sheet roofing with surface of the sheet is coated with an anti-UV Co-extrusion layer having good weather resistance, it can maintain its optical properties and mechanical performance for a long time. Fasting is usually done by screws. , The fastening screws should be inserted about 500 mm apart and 300mm apart Along the supporting internal purlin and edge pulin.All fixing holes with diameter at least 2 mm larger than screw must be predrilled into each screw location. The screws should be 6mm diameter with length according to sheet thickness and corrosion resistant, with at least heavy duty hot dripped galvanized or stainless steel. Excluding the cost of purlins rafter and trusses. | | | | 0.00 |
| | (a) 1.5 mm thick Solid Sheet | SM | 5.00 | 1,261.00 | 6305.00 |
| | (b) 2 mm thick Solid Sheet | SM | 5.00 | 1,510.00 | 7550.00 |
| 110 | Providing & Fixing 80 mm dia M.S. pipe as vertical post are beded in 1:1.5:3 concrete also horizontally in line and connecting to purline angle etc by welding reretring etc. (a) Medium duty "B" Class | R.M. | 5.00 | 750.00 | 3750.00 |
| 111 | Providing & Fixing 50 mm dia M.S. pipe as vertical post are beded in 1:1.5:3 concrete also horizontally in line and connecting to purline angle etc by welding reretring etc. (a) Medium duty "B" Class | R.M. | 5.00 | 485.00 | 2425.00 |
| 112 | Providing & fixing black board on walls of 1.8mt.x1.2mt size made up to 12 mmth.B.W.P .Plywood (Brand Saras,Kitply,Uniply, Anchor, Green,Wood Stock or century) fixed with teak wood beading of 65 mmx 50mm size, rubbing & sanding comp., incl. applying two coats of black board paint over a priming coat on plywood & French polishing the frame all round etc. Comp. as per instruction of Engineer in charge (M.R.) | No. | 2.00 | 4,193.00 | 8386.00 |
| 113 | Providing & fixing Green board on walls of 1.8mt.x1.2mt size made up to 18 mm th.ply (using IS 710 Marin ply) with 1 mm thick outside green board & 0.8mm backside white laminate & with good Quality of adhesive with appropriate fittings of Alluminium fittings or teak wood bedding 65 mmx 50mm size, rubbing & sanding comp., as per instruction of Engineer in charge (M.R.) | No. | 2.00 | 5,195.00 | 10390.00 |
| 114 | Providing & fixing White board on walls of 1.8mt.x1.2mt size of 12mm thick with appropriate fittings and Alluminium fittings comp., as per instruction of Engineer in charge (M.R.) | No. | 5.00 | 4,230.00 | 21150.00 |
| 115 | Providing & Fixing Reading table size 8' x 4' and height 2'-6" with table top 18mm thick (Brand Saras,Kitply,Uniply, Anchor, Green,Wood Stock or century) commercial plywood with 1.0mm thick lamination sheet fitting with teakwood moulding table top supported on 3" x 3" teakwood leg & 3" x 11/2" teakwood framing top and bottom with french polish labour work hardware etc. as per site in charge instruction and as per drawing. | NO | 1.00 | 14,774.00 | 14774.00 |

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|-----|--|------|-------|----------|----------|
| 116 | Providing & Fixing Librarian table with 18mm thick commercial plywood (Brand Saras,Kitply,Uniply, Anchor, Green,Wood Stock or century))with 1.0mm thick lamination sheet table top supported on 2" x 2" teakwood leg & make 3 nos. drawers of 1' 3" width on both side with necessary french polish hardware labour etc. as per site incharge instruction and as per drawing (Size 4' x 2'-6" x 2'-6" , all framing other then legs are teak wood of size 2" x 1") | NO | 1.00 | 8,390.00 | 8390.00 |
| 117 | Providing & Fixing simple 12mm thick commercial plywood (Brand Saras,Kitply,Uniply, Anchor, Green,Wood Stock or century) Rack of size 6' x4' and depth 1'-6" 5 Nos. horizontal partition, supported 2" x 1" framing with necessary french polish hardware labour etc. as per site incharge instruction and as per drawing. | NO | 1.00 | 7,690.00 | 7690.00 |
| 118 | Providing & Fixing fitting commercial 8mm thick plywood (Brand Saras,Kitply,Uniply, Anchor, Green,Wood Stock or century) magazine stand of Size 6' x 4' with 3" x 11/2" vertical supporting and adjustable lag support and horizontal simple 2" x 1" teakwood patti for magazine support with necessary french polish hardware labour etc.as per site in charges instruction and as per drawing. | NO | 1.00 | 6,745.00 | 6745.00 |
| 119 | Providing, supplying & placing precast RCC Wooden benches as per given specifications. (Seating plank dimensions : Seating Length of the Bench : 1380 mm, Seating width of the Bench : 450 mm, Seating height of the Bench : 450 mm, Seating plank thickness : 60 mm, Total height of the Bench : 900 mm.) | NO | 1.00 | 3,927.00 | 3927.00 |
| | M-30 grade of Concrete using vibration compaction process. Benches consists of 2 Nos. L-shape base support in wooden texture and 1 Nos. flate back and 1 Nos. bottom plank leg thickness :90 mm, Leg hight : 830 mm, Leg width : 600 mm, backside plank width : 350 mm, backside plank length : 1380 mm, backside plank thickness : 60 mm. | | | | |
| | Bench top and back planks are treated with special anticorrosive, water proof coating, prevent sun, rain, light and fungal attack, as to make surfaces glossy and water proof. | | | | |
| | The back rest should show as details given by SMC in embossed at casting time. | | | | |
| 120 | Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-incharge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.). | Kg | 10.00 | 450.00 | 4500.00 |
| 121 | Providing & fixing Z - clamps at all floor levels of approved design to C.I. S.C.I. or PVC pipes including the cost of cutting holes & making good the wall etc. Complete - 100 mm dia as per architect instructions. | | | | 0.00 |
| | (A) 40 to 50 mm dia | No. | 20.00 | 62.00 | 1240.00 |
| | (B) 75 to 90 mm dia | No. | 20.00 | 75.00 | 1500.00 |
| | (C) 110 mm dia to upto 150 mm dia | No. | 20.00 | 90.00 | 1800.00 |
| | (C) 150 mm to 200 mm dia | No. | 20.00 | 98.00 | 1960.00 |
| 122 | Providing and constructing sandwich type Polish Kota Stone cooking platform 0.6 mt. wide & 0.75 mt. height, including one end side Polish Kota stone (Double Polish) of 1.25 mt. height & front Polish Kota stone patti of 10 cm wide, vertical partitions of half B.M. wall in C.M. 1:4 and 10mm th. plaster in 1:3 with finishing smooth with cement slurry as required and Stainless Steel sink of 0.45 mt x 0.45 mt size of approved quality and make with required all fittings & fixtures etc. comp as per instruction given by site in charge at all floors. | Rmt. | 5.00 | 3,010.00 | 15050.00 |

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|-----|---|------|-------|----------|----------|
| 123 | Providing and constructing sandwich type Granite stone cooking platform 0.6 mt. wide & 0.75 mt. height, including one end side granite stone (Double Polish) of 1.25 mt. height & front granite stone patti of 10 cm wide, vertical partitions of half B.M. wall in C.M. 1:4 and 10mm th. plaster in 1:3 with finishing smooth with cement slurry as required and Stainless Steel sink of 0.45 mt x 0.45 mt size of approved quality and make with required all fittings & fixtures etc. comp as per instruction given by site in charge at all floors. (Basic rate of Granite Rs.1,200.00 / S.M.) | Rmt. | 5.00 | 3,128.00 | 15640.00 |
| 124 | Providing and fixing 150 mm wide, approved quality chicken wire mesh (FRP / PVC)at junction of brick work and RCC work or two dissimilar surfaces, at all heights fixed by nails, rowal plugs or tag by cement mortar 1:3 before applying the plaster, including curing, scaffolding all complete as directed. | S.M. | 5.00 | 102.00 | 510.00 |
| 125 | Providing and filling Epoxy grout of approved or suggested brand by consultant / Engineer in charge in 4mm to 6mm thick tiles joint including spacer with cleaning of joint by vacuum or blower etc | Rmt. | 40.00 | 40.00 | 1600.00 |
| 126 | Providing and fixing rebar of following diameter using chemical grout of Swancho/Hilti/Fischer or equivalent make including cost of all equipments, tools, material, labour, etc. Standard procedure as mentioned in manufacturer's specifications shall be strictly followed, which shall be submitted and got approved from the authority prior to start of work. The rate shall also include cost of drilling of hole of required diameter and depth as mentioned in manufacturer's specification, cleaning the hole with required air blower and other necessary tools and tackles, positioning, providing and grouting chemical, allied fixtures and fasteners, etc. but excluding the cost of reinforcing bar etc. complete. Item includes necessary scaffolding, staging, labour, tools and equipments, etc. complete as directed by the engineer-in-charge. | | | | 0.00 |
| A | 8mm | No. | 10.00 | 80.00 | 800.00 |
| B | 10mm | No. | 10.00 | 90.00 | 900.00 |
| C | 12mm | No. | 10.00 | 125.00 | 1250.00 |
| D | 16mm | No. | 10.00 | 190.00 | 1900.00 |
| E | 20mm | No. | 10.00 | 340.00 | 3400.00 |
| F | 25mm | No. | 10.00 | 500.00 | 5000.00 |
| 127 | Carring out plinth treatment to post construction / existing structure by spraying chemical solution for termite control treatment including labour and material consistment with ISI specification. Using Chlordene and Chiopurfiles 20 EC. As per 6131_paret-II Concentration Weight one percent is recommended i.e. one litre 20 EC chemical emulsion with 19 liter give 1% concentration inclusive of one litre chemical emulsion appication at the rate of 5 litre chemical / Sqm of surface is recommended as per IS. | Smt. | 80.00 | 87.03 | 6962.40 |
| 128 | Providing and fixing rolling shutters of approved make made of 80 mm wide M.S. laths inter locked together through their entire lenght and jointed together at the ends by end locks mounted on specially designed pipe shaft with bracket plates, guide channels and arrangements for inside and outside locking with push-pull operation including the cost of hood cover and spring etc. complete. (A) Shutters having width below 3.5 M. | Smt. | 5.00 | 3,554.40 | 17772.00 |
| 129 | Providing and fixing rolling shutters of approved make made of 80 mm wide M.S. laths inter locked together through their entire lenght and jointed together at the ends by end locks mounted on specially designed pipe shaft with bracket plates, guide channels and arrangements for inside and outside locking with push-pull operation including the cost of hood cover and spring etc. complete. (B) Shutters having width 3.5 M and above | Smt. | 5.00 | 4,546.01 | 22730.05 |

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|-----|--|------|-------|----------|----------|
| 130 | Providing & Fixing 3 mm thick metal sheet with CNC cutting to fix it on vertical surface. Steel work welded in built up sections, framed work including cutting, hoisting, fixing in position and applying a priming coat of red lead paint in beams & joists channels angles, tees, flats with connection plates or angle cleats as in main & cross beams, hip & trussed purlins connected to common rafter & the like. | Smt. | 5.00 | 2,677.00 | 13385.00 |
| 131 | Providing and laying broken china mosaic flooring for terrace using 12mm to 20mm broken pieces of glazed tiles to be laid over cement mortar 1:3 to plain or slope and to be tempered to bring mortar cream out upto surface using white cement including rounding off junctions and extending them upto 15 cm along the wall clearing with water and oxalic acid etc. as directed. | Sqm. | 5.00 | 779.70 | 3898.50 |
| 132 | Providing and Fixing Hollow steel Sections Framed Work including Cutting, Hoisting, Welding & Fixing in position Purlin, Main Chord etc. as per Engineer-in-charge. TATA / JINDAL / ASIAN Make | Kg | 5.00 | 126.00 | 630.00 |
| 133 | Providing cement vata (10 cm x 10 cm size) quarter round in cement mortar 1:1 including neat cement finishing, watering etc. complete. | Rmt. | 10.00 | 24.28 | 242.80 |
| 134 | Piping for Fire Safety Works Providing & Laying 'C' Class Heavy G.I. pipe laying. Supply, fabrication, installation, hydro testing & painting of above ground pipe. with necessary pipe fittings (Flanges, Bands, Socket etc.) Vertically every 3 mt. & Horizontally every 2.5 mt. painted with one coat of primer (Zinc Oxide) & two coats of finishing paints GI support / Clamps / Hangers etc. Hardware (Gaskets, Nut-Bolts, Paint etc.) Consumables (Welding Rod etc.) and labour charge. Quality : GI, C-Class (Heavy). Make - Jindal / Asian | | | | 0.00 |
| a | 200 mm Dia | Rmt. | 0.00 | 3,801.93 | 0.00 |
| b | 150 mm Dia | Rmt. | 0.00 | 2,377.82 | 0.00 |
| c | 100 mm Dia | Rmt. | 0.00 | 1,610.06 | 0.00 |
| d | 80mm Dia | Rmt. | 0.00 | 1,145.23 | 0.00 |
| e | 50mm Dia | Rmt. | 0.00 | 726.95 | 0.00 |
| f | 40mm Dia | Rmt. | 0.00 | 536.55 | 0.00 |
| g | 25mm Dia | Rmt. | 0.00 | 356.71 | 0.00 |
| 135 | Fire extinguisher - ABC powder type 6 Kg. Supply, installation and testing of ABC powder fire extinguisher necessary hardware and consumables. Stored pressure mechanism. Charged with MAP-50% (ABC) Dry powder. with wall mounting clamp. UOM - Price per each No. Make - Kanex / Safex / Secure Zone | No. | 0.00 | 2,000.00 | 0.00 |
| 136 | Fire extinguisher - CO2 Gas type 4.5 kg. Supply, installation and testing of CO2 Gas fire extinguisher with necessary hardware and consumables. Standard - Confirming to IS:15683-2006 with ISI mark. UOM - Price per each No. Make - Kanex / Safex / Secure Zone | No. | 0.00 | 4,200.00 | 0.00 |
| 137 | Supplying FIRE bucket round bottom of 9 ltr. capacity made out of 24 gauge G.I. sheet with extra handle at bottom duly painted white inside and Red out side with FIRE mark, filled with dry-sand and kept on existing stand provided or hung on wall hook. | No. | 0.00 | 350.00 | 0.00 |
| 138 | Supplying and erecting floor mounting stand for keeping four nos. of FIRE buckets comprising 1500mm in length, 900mm height frame made out of 30mm x 30mm x 4mm angle from with cross supports for legs, welded with 4 hooks and duly painted with one coat of red lead and two coats of approved enamelled silver paint. | No. | 5.00 | 903.00 | 4515.00 |
| | Hoarding Printing and Mounting | | | | 0.00 |
| 139 | Hoarding Printing and Mounting | Sft. | 12.00 | 16.50 | 198.00 |
| | Banners | | | | 0.00 |

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|-----------------|--|------|--------|-------|---------|
| 140 | Flex Banner (Any size 240 gsm) | Sft. | 12.00 | 8.50 | 102.00 |
| 141 | Flex Banner with MS (Mild Steel) framing (Any size 240 gsm (Pipe size 25 x 25 x1.5 mm) | Sft. | 12.00 | 53.10 | 637.20 |
| 142 | Cloth Banner (Upto 8 x 4 feet 140 gsm) | Sft. | 12.00 | 23.60 | 283.20 |
| 143 | Cloth Banner with MS (Mild Steel) framing (Up to 8 x 4 feet 140 gsm) (Pipe size 25 x 25 x 1.5 mm) | Sft. | 12.00 | 65.00 | 780.00 |
| 144 | Cloth Banner with Wooden stick at both end for rally display (Any size 140 gam) | Sft. | 12.00 | 32.85 | 394.20 |
| | Standee | | | | 0.00 |
| 145 | Cloth banner standee (Any size 140 gsm Pipe size 25 x 25 x 1.5 mm) | Sft. | 70.00 | 69.50 | 4865.00 |
| | Sticker | | | | 0.00 |
| 146 | Wall Vinyl Sticker | Sft. | 28.00 | 28.00 | 784.00 |
| 147 | Eco Solvent Vinyl Sticker (120 gsm) with Lamination (100 gsm) | Sft. | 38.00 | 38.00 | 1444.00 |
| 148 | Solvent Vinyl Sticker (120 gsm) with Lamination (100 gsm) | Sft. | 22.00 | 22.00 | 484.00 |
| 149 | 5mm PVC sheet Eco Vinyl (Any size) | Sft. | 55.46 | 55.46 | 3075.81 |
| 150 | Decorative theme base designing & painting with all waterproof materials | Sft. | 63.00 | 63.00 | 3969.00 |
| UR WORKS | | | | | 0.00 |
| 1 | White Washing with lime on wall surface to give an even shade & surface incl. throughly brooming the surface to remove dirt, dust mortar drops & losse scales of lime wash & other foreign matter Two coats. | | | | 0.00 |
| | (A) walls | S.M. | 100.00 | 13.03 | 1303.00 |
| | (B) Ceiling | S.M. | 100.00 | 14.21 | 1421.00 |
| | ---do Extra Subsequent coat over above Item | | | | 0.00 |
| | (A) walls | S.M. | 100.00 | 6.01 | 601.00 |
| | (B) Ceiling | S.M. | 100.00 | 6.51 | 651.00 |
| 2 | Colour washing with lime on wall over & incl. a primary coat of white washing to give an even shade & surface incl. throughly brooming the surface to remove all dirt, dust mortar drops & loose scales of lime wash & other foreign matter. Two coats. | | | | 0.00 |
| | (A) walls | S.M. | 100.00 | 13.03 | 1303.00 |
| | (B) Ceiling | S.M. | 100.00 | 15.37 | 1537.00 |
| | ---do Extra Subsequent coat over above Item | | | | 0.00 |
| | (A) walls | S.M. | 102.01 | 8.35 | 851.78 |
| | (B) Ceiling | S.M. | 100.00 | 10.53 | 1053.03 |
| 3 | Distempering two coats with oil bound washable distemper of approved brand & manufacture & of required shade on wall surface to give an even shade over and & including a priming coat of alkali resistance primer of approved brand after throughly brushing the surface to give an even shade after throughly brushing the surface free from mortar droppings and other foreign matter and also including preparing the surface even and smooth. | | | | 0.00 |
| | (A) walls | S.M. | 100.00 | 75.84 | 7584.00 |
| | (B) Ceiling | S.M. | 100.00 | 84.37 | 8437.00 |
| | ---do Extra Subsequent coat over above Item | | | | 0.00 |
| | (A) walls | S.M. | 100.00 | 31.91 | 3191.00 |
| | (B) Ceiling | S.M. | 100.00 | 35.25 | 3525.00 |
| 4 | Apply two coats of putty and two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other matter and sand papered smooth. | S.M. | 100.00 | 40.59 | 4059.00 |
| 5 | Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surface to give an even shade including throughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth. | S.M. | 100.00 | 83.36 | 8336.00 |
| | For every subsequent coat Extra over item no.above | S.M. | 100.00 | 35.41 | 3541.00 |

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| 6 | Distempering two coats on previously distempering wall (without primer) with oil bound washable distemper of approved brand & required shade on wall surface to give an even shade after thoroughly brushing the surfaces clean of all grease, dirt loose places of sceles & also including preparing the surface even and smooth. | S.M. | 100.00 | 60.63 | 6063.00 |
| 7 | Applying Priming coat over new steel and other metal surface after over and including preparing the surface by thoroughly cleaning oil, grease dirt and other foreign matter and scoured with brushed fine steel wool, scrapers and sand paper with ready mixed priming paint brushing red lead. | S.M. | 100.00 | 36.74 | 3674.00 |
| 8 | Painting two coat (excluding priming coat) on new steel and other metal surface with synthetic enemal paint, burshing to give an even shade including cleaning the surface of all dirt, dust and other foreign matters. | S.M. | 100.00 | 68.57 | 6857.00 |
| 9 | Painting one coat (excluding priming coat) on Previously Painted steel and other metal surface with synthetic enemal paint, burshing to give an even shade including cleaning the surface of all dirt, dust and other foreign matters. | S.M. | 100.00 | 39.93 | 3993.00 |
| | For every subsequent coat Extra over item no.above | S.M. | 100.00 | 40.09 | 4009.00 |
| 10 | Applying Priming coat over new wood & wood surface after & incl. preparing the surface by thoroughly cleaning oil grease dirt & other foreign matter sand papering & knetting Really mixed paint brushing priming for enamel. | S.M. | 100.00 | 43.10 | 4310.00 |
| 11 | Painting two coats (excluding priming coat) on New wood & wood based surface with enamel paint to give an even shade & surface incl. cleaning of all dirt, dust & other foreign matter. | S.M. | 100.00 | 92.87 | 9287.00 |
| 12 | Painting two coats (excluding priming coat) on previously painted wood & wood based surface with enamel paint to give an even shade & surface incl. cleaning of all dirt, dust & other foreign matter. | S.M. | 101.11 | 47.44 | 4796.82 |
| 13 | Polishing with french polished on New wood & wood based surface to give an even surface incl. cleaning the surface of all dirt, dust & sand papered smooth incl. a cost of wood filler. | S.M. | 100.00 | 142.49 | 14249.00 |
| 14 | Polishing with french polished on previously polishing wood & wood based surface to give an even surface incl. cleaning the surface of all dirt, dust & sand papered smooth incl. a cost of wood filler. | S.M. | 98.00 | 73.34 | 7187.32 |
| 15 | Painting two coats of enamel paint over priming coat (including priming coat) on wall after removing entire surface dirt, dust foreign matter & also incl. preparing the surface even & sand papered smooth etc. comp.(M.R.) | S.M. | 1000.00 | 90.00 | 90000.00 |
| 16 | Painting two coats of enamel paint (Excluding priming coat) over previously painted wall after removing entire surface with even shade & surface after removing dirt, dust foreign matter etc. comp.(M.R.) | S.M. | 600.00 | 60.00 | 36000.00 |

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| 17 | <p>Providing & applying two coats of weather shield max paint (3 coats may be required in case of darker colours.) of ICI Dulux or Apex Ultima of Asian Paint including applying exterior acrylic primer coat as per manufacturers specification and directions in shade and colour approved by architects, on exterior surfaces of the building including scaffolding, preparing the surface, watering, curing etc. complete and as directed by the architects and manufacturers.</p> <p>Surface Preparation : surface is thoroughly clean, dry and free from all loose dirt, chalk, grease, fungi, algae and flaking paint. This can be achieved by brushing with a wire/ stiff coir brush, followed by water jetting if required. Fill up all minor cracks and defects with white cement and sand mixture in the ratio 1:3. For application on previously painted wall, previous coatings of paint must be thoroughly scraped off and Clean the surface thoroughly using wire brushes.</p> <p>Priming: Apply a liberal coat of exterior acrylic primer and allow it to dry for 4-5 hours. Application of putty is not recommended. Minimum 4-6 hours duration is required between each coat of weather shield max paint</p> | S.M. | 1000.00 | 82.00 | 82000.00 |
| Aluminum works | | | | | 0.00 |
| 1 | <p>Providing and fixing window having extruded aluminum Colour anodized section frame main outer size 127mm x 38.10mm x 1.35mm @wt. 1.384kg/m, horizontal Four track member size 122.20mm x 31.75mm x 1.10mm@ wt 1.205 kg/m, vertical member of size 122.20mm x 31.75mm x 1.50mm @1.398 kg/mt with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm@ 0.456kg/mt ,vertical member of size 40mm x 18mm x 1.29mm @ 0.456 kg/mt with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window.</p> | S.M. | 5.00 | 2,140.33 | 10701.65 |
| | (A) Same as above but Colour anodized | S.M. | 5.00 | 2,140.33 | 10701.65 |
| 2 | <p>Providing and fixing window having extruded aluminium Powder Coated section frame main outer size 95 mm x 24 mm x 1.17 mm (of jindal section no:2459 @ Wt. of 0.738 Kg/mt), horizontal Three track member size 92 mm x 31.75 mm x 1.30 mm (of jindal section no:8688, @ Wt. 1.07 Kg/mt), vertical member of size 92 mm x 31.75 mm x 1.50 mm (of jindal section no:8933, @ Wt. 1.06 Kg/mt) with sliding shutters of horizontal member size 40 mm x 18 mm x 1.29 mm (of jindal section no:8947 @ wt. of 0.456 kg/mt), vertical member of size 40 mm x 18 mm x 1.29 mm (of jindal section no:8949 @ wt. of 0.456 kg/mt) with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminium fittings & fixtures and transparent silicon sealant glass fixing to frame as per details etc.</p> | S.M. | 5.00 | 1,591.87 | 7959.35 |
| | (A) Same as above but Colour anodized | S.M. | 5.00 | 1,591.87 | 7959.35 |
| 3 | <p>Providing and fixing window having extruded aluminium Powder Coated section frame main outer size 63.50 x 38.10 x 1.95 mm (of Jindal section no.4605, @ Wt. 1.094Kg/mt) horizontal Two track member size 61.85 mm x 31.75 mm x 1.20 mm (of jindal section no:8687, @ Wt. 0.695 Kg/mt.) vertical member of size 61.85 mm x 31.75 mm x 130 mm (of jindal section no:8758 @ wt. of 0.659 kg/mt) with sliding shutters of horizontal member size 40 mm x 18 mm x 1.29 mm (of jindal section no:8949, @ Wt. of .456 Kg/mt) vertical member of size 40 mm x 18 mm x 1.29 mm (of jindal section no:8947, @ Wt. of 0.456 Kg/mt/section 8948, @ Wt. of 0.457 Kg/mt) with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminium fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc. complete for window.</p> | S.M. | 5.00 | 1,705.67 | 8528.35 |
| | (A) Same as above but Colour anodized | S.M. | 5.00 | 1,705.67 | 8528.35 |

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|---|---|------|--------|----------|-----------|
| 4 | Providing and fixing standard extruded of aluminium section of size 63mm x 38.10mm x 1.2mm , @ Wt. 0.643 Kg/mt with colour Powder Coated aluminium frame for ventilation with 5 mm thick frosted glass as details etc complete for Ventilation | S.M. | 5.00 | 1,175.56 | 5877.80 |
| | (A) Same as above but Colour anodized | S.M. | 5.00 | 1,175.56 | 5877.80 |
| 5 | Providing and fixing standard extruded of aluminium section of size 61 x 37.0 x 0.90 mm (of Jindal section no.14080, @ Wt. 0.471 Kg per mt) with Powder Coated aluminium frame with 5 mm thick transparent bronze colour tinted float glass as details etc. complete for fix window . | S.M. | 5.00 | 1,833.29 | 9166.45 |
| | (A) Same as above but Colour anodized | S.M. | 5.00 | 1,833.29 | 9166.45 |
| 6 | Providing & fixing partly panel & partly glass Powder Coated Aluminium doors with aluminium section of Hindalco, Jindal, Narmada, Banco or Equivalent approved make having Powder Coated outer frame Leg Partition section of 63.50 mm x 38.10 mm having weight 1.158 kg. / R.M. shutter section having size 83.5 mm x 44.45mm (top & bottom: 1.384 kg./rmt. and middle 1.139 kg./rmt.) door vertical 47.62mm x 44.45 mm (vertical:0.881 kg./rmt. & top hing side:0.974 kg./mt.), Glazing Clip (Jindal Section No. 19370 Wt. 0.109 Kg./ Mt.) with 5mm thick sheet glass in acid frosting and 12 mm thick prelaminated sheet of Greenlam, Panama or archid make as approved by Engineer-in- charge including fixing brass pivot, handle, lock etc. complete. | S.M. | 5.00 | 3,237.00 | 16185.00 |
| | (A) Same as above but Colour anodized | S.M. | 5.00 | 3,237.00 | 16185.00 |
| 7 | Providing & fixing Powder Coated Aluminium partly glazed and partly panelled partition using medium duty sections of Hindalco, Zindal, Narmada, Banco or Equivalent approved make having section 63.50 mm x 38.10mm (Frame-.758 kg/rmt & Middle section- 0.819 Kg./rmt), Galzing Clip with 5 mm thick clear float glass of approved make including all other necessary fittings and fixtures. Entire work will have to be made water proof using necessary rubber sectioned wherever required. Gaps all round the frame to be filled with approved water proof sealant. Bottom portion of doors both side to be covered with 12mm thick prelaminated particle board of approved make and quality and as per design. | S.M. | 10.00 | 2,400.00 | 24000.00 |
| | (A) Same as above but Colour anodized | S.M. | 5.00 | 2,400.00 | 12000.00 |
| 1 | ITEMS FOR GROUND DEVELOPMENT WORK | | | | |
| 1 | Box Cutting the road surface to proper slope and camber for making base including removing the excavated stuff and depositing on the road side slope as directed up to 50 mt. lead. | C.M. | 10.00 | 109.41 | 1094.10 |
| 2 | Preparation of subgrade with Compacting, Levelling and consolidation of subgrade with miniroller /plate vibrator machine including watering and filling in depressions which occur during the process as directed by engineer in charge. | S.M. | 5.00 | 9.00 | 45.00 |
| 3 | Providing & filling with Mix soil in layers of 20 cm. Th'. Incl. watering, ramming & consolidation etc. complete. | C.M. | 600.00 | 225.00 | 135000.00 |
| 4 | Supplying & filling fine sand(pana) in 75 mm / 100 mm / 150 mm compacted thickness over the base including necessary compaction, watering etc. complete. Item includes leveling by using vibratory plates compacted machine and as directed by engineer in charge. | C.M. | 25.00 | 1,016.00 | 25400.00 |
| 5 | Providing and laying cement concrete 1:5:10 (1- Cement : 5- Coarse sand : 10- hand broken stone aggregates 40 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth | C.M. | 5.00 | 2,606.92 | 13034.60 |

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|----------------------|---|------|---------|----------|-----------|
| 6 | Providing 100mm thick readymade C.C. kerb of strength M-20 (size 300mm x 380mm) purchased from SMC's approved paverblock manufacturer & setting in line, level and in truly vertical position, including filling joints in C.M. 1:1 (1 part of cement : 1 part of stone dust) smooth pointing in C.M. 1:1 (1 part of cement : 1 part of coarse sand) including watering etc. complete and as directed by engineer in charge. | R.M. | 1000.00 | 228.00 | 228000.00 |
| | For rounding at the edge of footpath (For fanning portion) | R.M. | 10.00 | 274.00 | 2740.00 |
| 7 | Providing interlocking type Rubber moulded cement concrete paver block of approved shape, design & colour having 60mm thickness (M-35) purchased from SMC's approved paverblock manufacturer only & fixing of fine sand bedding. Item includes levelling by using vibratory plates compacted machine. Item also includes all materials, labour, equipments, tools, plants, watering, cleaning etc. complete. (With colour) | S.M. | 800.00 | 524.00 | 419200.00 |
| | Without colour | S.M. | 229.50 | 524.00 | 120258.00 |
| 8 | Providing & fixing interlocking type Cement Concrete paver block of approved shape & design having 60 mm thickness (M-40) purchased from SMC's approved paverblock manufacturer only on fine sand bedding. Item includes leveling by using vibratory plates compacted machine. Item also includes all materials, Labour, equipments, tools, plants, watering, cleaning etc. complete. | S.M. | 10.00 | 553.00 | 5530.00 |
| | For Road Junction 80 mm thick (M-50) | S.M. | 10 | 714 | 7140.00 |
| 9 | Providing & laying Granular sub base (GSB) confirming to Grading-V of Table 400.0 of compacted thick of 150mm with specified graded stone metal and sand mixed in place and laid with mechanical means spreading with motor grader and compacting with vibratory roller having minimum 80-100 KN static weight to achieve desired density of 98% of MDD including all material, labour, machinery with all leads and lift etc. complete. | C.M. | 150.00 | 1,469.00 | 220350.00 |
| 10 | Providing & laying cement concrete Pavement using 1:1.5:3 (1 cement:1.5 sand:3 graded stone agg. 20 mm nominal size) & Vacuum Dewatering technique including floating surface with a skim powder floater, curing etc. complete. | C.M. | 6.00 | 5,981.00 | 35886.00 |
| 11 | Providing & laying cement concrete Pavement using 1:2:4 (1 cement:2 sand:4 graded stone agg. 20 mm nominal size) & Vacuum Dewatering technique including floating surface with a skim powder floater, curing etc. complete. | C.M. | 5.00 | 5,245.25 | 26226.25 |
| 12 | Providing and laying 200 micron plastic sheet on prepared sub base For V.D.S Concrete | S.M. | 26.00 | 26.00 | 676.00 |
| 13 | Cutting of Groove 5 to 7 mm thick in VDS for depth 1/3 of total thickness with filling of epoxy sealant as directed by engineer in charge | R.M. | 50.00 | 50.00 | 2500.00 |
| SANITARY WORK | | | | | |
| 1 | Providing & fixing C.P. brass pillar cock with copper connection, C.P. brass screws complete | | | | |
| | Make- Cera F2013101, HindWare Cat. No.: F650003, Jaquar FLR-5011N | NO. | 5.00 | 1457.97 | 7289.85 |
| 2 | Providing & Fixing 15 mm Dia bib tap with wall Flange at all floor levels, polished bright etc. comp. | | | | 0.00 |
| | Make- Cera F2013151 BIB COCK, HindWare F280002 BIB COCK, Jaquar FLR-5047 N BIB COCK | NO. | 5.00 | 1353.77 | 6768.85 |
| 3 | Providing & Fixing 15 mm Dia 2 way bib tap with wall Flange at all floor levels, polished bright etc. comp. | | | | 0.00 |
| | Make- Cera F2013163, HindWare Cat. No.: F530004, Jaquar FLR-5041N | NO. | 5.00 | 1828.81 | 9144.05 |
| 4 | Providing flush cock consisting lever, cartridge sleeve & flange & concealed part | | | | 0.00 |

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| | Make- Cera EXPOSED PART F2013751 & Concealed part F4060101 , Jaquar FLR 5083 KN , CONCEALED BODY ALD-081, HINDWARE F730013 & CONCEALED STOP COCK F850095 | NO. | 5.00 | 2056.47 | 10282.35 |
| 5 | Providing & fixing 15mm C.P. brass angle valve (Stop Cock) with C.P. copper connecting pipe 450 mm long and nuts, washer and brass flange complete, including cutting and making good the wall where required. | | | | 0.00 |
| | Make- Cera F1020362, HindWare Cat. No.: F440020 F850094, Jaquar CON 053 KN | NO. | 5.00 | 1564.36 | 7821.80 |
| 6 | Providing and fixing Wash Down Water closet European type W.C. pan with integral P or S trap with normal closing seat cover L bend including jointing the trap with soil pipe in cement mortar 1:1 (1 cement : 1 fine sand) (A) Vitreous china pattern - I | | | | 0.00 |
| | Make- Cera CONVENTIONAL B1510121 , HindWare sleek 20011, Jaquar- CNS-WHT-751P180SPZ | NO. | 5.00 | 3530.09 | 17650.45 |
| 7 | Providing & fixing Wash Hung basin with single hole for pillar tap , Size- 550 x 400 mm at all floor levels, with C.I. or M.S. Brackets painted white incl. cutting holes & making good the same etc. complete. For all Floor | | | | 0.00 |
| | Make- Cera Cat. No. S2040121, Jaquar SLS- WHT -6801 ,HindWare10004 | NO. | 5.00 | 3276.63 | 16383.15 |
| 8 | Providing & fixing white vitreous china urinal of size 450 x325mm as per IS-2556 (Part-2) with C.I. hangers and 15mm dia. C.P. spreader, 32mm dia CP bottle trap and pipe to wall with C.P. flange complete including cutting and making good the walls and floors wherever required. | | | | 0.00 |
| | Make- Cera Cat. No. S4020103, Jaquar URS-WHT-13261H ,HindWare BACK SMALL 60001 | NO. | 5.00 | 2535.70 | 12678.50 |
| 9 | Providing & fixing of overhead shower 80 mm (3") dia with 3 flow with Overhead Shower arm 200 mm with wall flange complete | | | | 0.00 |
| | Make- Cera F7010602AB, Jaquar OHS-1989 ,HindWare Cat. No.: F160144 | NO. | 5.00 | 1526.42 | 7632.10 |
| 10 | Providing and fixing Towel Ring fabricated from seamless stainless steel tube 2mm thick in bath room with polished wall flange at end of bars with heavy duty anchor fasteners & accessories. | | | | 0.00 |
| | Make- Cera F5014115CH, Jaquar ACN-1121N ,HindWare F880007 | NO. | 5.00 | 924.24 | 4621.20 |
| 11 | Providing & fixing S.S.towel rail of 600 mm long approved make including, providing & fixing C.P. brass screws, making holes in walls & making good. | | | | 0.00 |
| | Make- Cera F5015103CH, Jaquar 1111BSM ,HindWare F880005T | NO. | 5.00 | 1100.42 | 5502.10 |
| 12 | Providing & Fixing stainless steel recessed type Soap dish of approved make. Including providing & fixing screws, washers, cutting & making good the walls. | | | | |
| | Make- Cera F5007106, Jaquar ACN-1131N ,HindWare F880011 | NO. | 5.00 | 839.91 | 4199.55 |
| 13 | Prov. & Fixing water closet squatting pan (Orissa type W.C.pan) at all floor levels, size 500mm x 400 mm incl. 100 mm size "P" or "S" trap for water closet squatting pan joining the trap with the pan & soil pipe in C.M. 1:1 (1 cement : 1 fine sand) etc. Comp.(A) Vitreous china long pattern | | | | 0.00 |
| | Make- Cera S3010109, Jaquar ,HindWare 20143 | NO. | 5.00 | 3277.39 | 16386.95 |
| 14 | Prov. & Fixing Health Faucet ABS Body with wall Hook and 1 Meter chrome plated PVC Hose Pipe. | | | | 0.00 |
| | Make- Cera F8030106AB, Jaquar ALD-587 ,HindWare F160109 | NO. | 5.00 | 1009.90 | 5049.50 |
| 15 | Providing & fixing white vitreous china Ladies urinal of size 470 x360X100 mm and 15mm dia. C.P. spreader, and pipe to wall complete including cutting and making good the walls and floors wherever required. | | | | 0.00 |
| | Make- Cera 4040101 ,HindWare 60003 | NO. | 5.00 | 2316.05 | 11580.25 |
| 16 | Providing & fixing Paper holder with flap guard of 150 mm long approved make including, fixing C.P. brass screws, making holes in walls & making good. | | | | 0.00 |
| | Make- Cera f5002110, Jaquar AHS-1551 ,HindWare F890003 | NO. | 5.00 | 1751.51 | 8757.55 |

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|----------------------------------|---|-------|------|-----------|----------|
| 17 | Providing & Fixing pressmatic bib tap with wall Flange at all floor levels, polished bright etc. comp. | | | | 0.00 |
| | Make- Cera F9020151, Jaquar PRS-043 ,HindWare F310016 | NO. | 5.00 | 1842.06 | 9210.30 |
| 18 | Providing Metropole Flush Valve Dual Flow 40mm Size (Concealed Body) | | | | 0.00 |
| | Make- Cera F8010202 , Jaquar FLV-1089NSQ ,HindWare F860075 | NO. | 5.00 | 3500.99 | 17504.95 |
| 19 | Providing Sink Cock with Regular Swinging Spout | | | | 0.00 |
| | Make- Cera F2008251, Jaquar FLR-5347N ,HindWare F650013 | NO. | 5.00 | 1785.90 | 8929.50 |
| Rehabilitation Work Items | | | | | |
| 1 | 'Fixing clerestory window chowkhats in existing openings including cutting masonry for hold fasts, embedding hold fasts in cement concrete blocks with cement concrete 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm single size), painting two coats of coal tar to sides of chowkhats and making good the damage to walls complete including disposal of rubbish to the dumping ground within 50 m lead. | Nos | 1.00 | 399.00 | 399.00 |
| 2 | Providing and applying cement mortar (1:3) modified by using polymer and expanding grout additives at 25mm thickness for repair/strengthening of various RCC elements at all floor levels, lead, lift, including breaking, chipping, dismantling existing cover concrete and exposing existing reinforcement, applying wirebrush for making surfaces of steel and concrete free from rust and other loose materials, applying rust removing chemical on existing reinforcement, applying anti- corrosive coating on existing reinforcement, applying polymer bonding agent on existing concrete surfaces before applying polymer modified mortar in specified thickness as directed by the Engineer-in-charge. | Sq.mt | 1.00 | 1,208.00 | 1208.00 |
| 3 | Providing and applying cement mortar (1:3) modified by using polymer and expanding grout additives at 50mm thickness for repair/strengthening of various RCC elements at all floor levels, lead, lift, including breaking, chipping, dismantling existing cover concrete and exposing existing reinforcement, applying wirebrush for making surfaces of steel and concrete free from rust and other loose materials, applying rust removing chemical on existing reinforcement, applying anti- corrosive coating on existing reinforcement, applying polymer bonding agent on existing concrete surfaces before applying polymer modified mortar in specified thickness as directed by the Engineer-in-charge. | Sq.mt | 1.00 | 2,348.00 | 2348.00 |
| 4 | Providing Cement Concrete work 50% - M30-(design mix) and 50% micro concrete plus recron - 3s (12mm long polyester fiber) plus appropriate dose of super plasticizer with curing, finishing smooth, etc. complete for jacketing of structural members at all floor levels, lead, lift, including breaking, chipping, dismantling existing loose cover concrete and exposing respective existing reinforcement as directed by the engineer-in-charge, applying wirebrush for making surfaces of steel and concrete free from rust and other loose materials, applying rust removing chemical on existing reinforcement, applying anti-corrosive coating on existing reinforcement, applying polymer treatment and bonding agent on existing concrete surfaces as directed by the Engineer-in-charge, etc. complete. The make and quality of rust removing chemical, anti-corrosive coating, polymer / epoxy bonding agent shall be approved by engineer-in- charge. The procedure for application shall be strictly in accordance with manufacturer's detail specification, which shall be submitted before start of work and shall be approved by the Engineer-in-charge. | C.M. | 1.00 | 29,664.00 | 29664.00 |

| | | | | | |
|---|--|-------|------|-----------|----------|
| 5 | <p>Providing Cement Concrete work 75% - M30-(design mix) and 25% micro concrete plus recron - 3s (12mm long polyester fiber) plus appropriate dose of super plasticizer with curing, finishing smooth, etc. complete for jacketing of structural members at all floor levels, lead, lift, including breaking, chipping, dismantling existing loose cover concrete and exposing respective existing reinforcement as directed by the engineer-in-charge, applying wirebrush for making surfaces of steel and concrete free from rust and other loose materials, applying rust removing chemical on existing reinforcement, applying anti-corrosive coating on existing reinforcement, applying polymer treatment and bonding agent on existing concrete surfaces as directed by the Engineer-in-charge, etc. complete. The make and quality of rust removing chemical, anti-corrosive coating, polymer / epoxy bonding agent shall be approved by engineer-in- charge. The procedure for application shall be strictly in accordance with manufacturer's detail specification, which shall be submitted before start of work and shall be approved by the Engineer-in-charge</p> | C.M. | 1.00 | 19,053.00 | 19053.00 |
| 6 | <p>Providing and applying thixotropic Making up lost section of concrete / mortar with thixotropic repair mortar of one- component, normal-setting, shrinkage-compensating, thixotropic mortar for layers up to 25 mm thick. Supply and application of one-component, normal-setting, shrinkage- compensating thixotropic mortar made from cementitious binders, selected aggregates, special additives and synthetic polyacrylonitrile fibres, for reconstructing deteriorated concrete structures. Apply the mortar after adequate preparation of the substrate by removing all deteriorated concrete to form a sufficiently-rough, solid substrate with no detached portions. Clean the steel reinforcement down to bare metal and apply a passivating treatment by brush- applying two coats of one-component, anti-corrosion cementitious mortar. Apply the product by trowel or spray with a continuous-feed rendering machine on a clean substrate saturated with water in layers up to 20 mm thick.</p> <p>To improve expansion in the open air during the first few days of curing, add a special curing additive when mixing the mortar to reduce both plastic and hydraulic shrinkage at a dose of 0.25% in weight on the weight of the mortar. The product must comply with the minimum requirements of EN 1504-3 for structural mortars and have the following performance characteristics:</p> | | 1 | | 0.00 |
| | <p>Compressive strength (EN 12190) (MPa):> 40 (after 28 days) Flexural strength (EN 196/1) (MPa): 7 (after 28 days) Compressive modulus of elasticity (EN 13412) (GPa): 25 (after 28 days)</p> <p>Adhesion to substrate (EN 1542) (MPa):> 2 (after 28 days) Capillary absorption (EN 13057) (kg/m²•h^{0.5}): < 0.20 Thermal compatibility measured as adhesion according to EN 1542 (MPa): – freeze-thaw cycles with de-icing salts (EN 13687/1): > 1.5 (after 50 cycles)</p> <p>Storm cycles (EN 13687/2):> 1.5 (after 30 cycles)</p> <p>– dry thermal cycles (EN 13687/4):> 1.5 (after 30 cycles) Reaction to fire (EN 13501-1) (Euroclass):1</p> <p>Consumption (per cm of thickness) (kg/m²): approximately 18.5 Kg</p> <p>included and calculated in the price for work carried out according to specification:</p> <p>(1) hydro-cleaning of adhesion surfaces and saturation of substrate with water immediately before applying the mortar;</p> <p>(2) application of the mortar by trowel or spray around steel reinforcement;</p> <p>(3) levelling off surfaces with a straight edge and final tamping;</p> <p>(4) careful curing of the mortar by spraying on water for at least 7 days (3times) after application.</p> | Sq.mt | 1.00 | 1,370.00 | 1370.00 |

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|----|--|-------|------|----------|---------|
| 7 | Providing and applying thixotropic Making up lost section of concrete / mortar with thixotropic repair mortar of one- component, normal-setting, shrinkage-compensating, thixotropic mortar for layers up to 50 mm thick. Supply and application of one-component, normal-setting, shrinkage- compensating thixotropic mortar made from cementitious binders, selected aggregates, special additives and synthetic polyacrylonitrile fibres, for reconstructing deteriorated concrete structures. Apply the mortar after adequate preparation of the substrate by removing all deteriorated concrete to form a sufficiently-rough, solid substrate with no detached portions. Clean the steel reinforcement down to bare metal and apply a passivating treatment by brush- applying two coats of one-component, anti-corrosion cementitious mortar. Apply the product by trowel or spray with a continuous-feed rendering machine on a clean substrate saturated with water in layers up to 40 mm thick. To improve expansion in the open air during the first few days of curing, add a special curing additive when mixing the mortar to reduce both plastic and hydraulic shrinkage at a dose of 0.25% in weight on the weight of the mortar. The product must comply with the minimum requirements of EN 1504-3 for structural mortars and have the following performance characteristics: | | 1 | | 0.00 |
| | Compressive strength (EN 12190) (MPa):> 40 (after 28 days) Flexural strength (EN 196/1) (MPa): 7 (after 28 days) Compressive modulus of elasticity (EN 13412) (GPa): 25 (after 28 days) Adhesion to substrate (EN 1542) (MPa):> 2 (after 28 days) Capillary absorption (EN 13057) (kg/m ² •h ^{0.5}): < 0.20 Thermal compatibility measured as adhesion according to EN 1542 (MPa): – freeze-thaw cycles with de-icing salts (EN 13687/1): > 1.5 (after 50 cycles) Storm cycles (EN 13687/2):> 1.5 (after 30 cycles) – dry thermal cycles (EN 13687/4):> 1.5 (after 30 cycles) Reaction to fire (EN 13501-1) (Euroclass):1 Consumption (per cm of thickness) (kg/m ²): approximately 18.5 Kg included and calculated in the price for work carried out according to specification: (1) hydro-cleaning of adhesion surfaces and saturation of substrate with water immediately before applying the mortar; (2) application of the mortar by trowel or spray around steel reinforcement; (3) levelling off surfaces with a straight edge and final tamping; (4) careful curing of the mortar by spraying on water for at least 7 days (3 times) after application. | Sq.mt | 1.00 | 2,460.00 | 2460.00 |
| 8 | Pointing on brickwork with cement mortar 1:1 (1-cement : 1-coarse sand) (B) Ruled pointing. | Sq.mt | 1.00 | 199.00 | 199.00 |
| 9 | Aluminum section Window opening and refixing with all necessary fix & fitting etc maid in wisely. | Sq.mt | 1.00 | 481.00 | 481.00 |
| 10 | Providing & Applying 20mm.to 35mm Th.(Max. 35mm thickness consider) Heavy Roller plaster on walls or similar surfaces at all floor levels consisting of 12 mm av. Th. Backing coat of C.M. 1:3 (1 cement:3 sand : racron 3s (0.5 nos per bag)) also plaster master wterproofing chemical 100 ml /bags as per companey manual & approved by E.I.C or consultant & 8 mm. th. Finishing coat of C.M. 1:1 (1 cement: 1 sand) apply thick cement slurry and apply roller horizontal as well as vartical (two times) up to good quality and size of grain in elevation as per directed by engineer incharge. | Sq.mt | 1.00 | 417.00 | 417.00 |
| 11 | Providing & fixing G.i mesh 25X25X3mm used for ceiling repair fixed with ceiling rebar column as per directed by enginner incharge rate excluding the rebar cost . | Sq.mt | 1.00 | 546.00 | 546.00 |
| | RCC Core Cutting is about making precise, circular cuts for creating holes of required diameters for Rehabilitation in civil works. The core drilling rod is fitted with diamond pieces at the drilling end. The core cutting machine can be used for both horizontal and vertical hole making purposes. | | | | 0.00 |
| 12 | 75mm -110mm | Nos | 1.00 | 286.00 | 286.00 |
| 13 | 150mm | Nos | 1.00 | 428.00 | 428.00 |

| | | | | | |
|----|---|-------|------|--------|----------|
| 14 | Apply hacking on RCC member manual or by mechanical as discussed by engineer incharge. 350 - 400 notches (dents) per sqmt. Process of making the back ground rough before plastering for better bonding of mortar with RCC (Tacha) | Sq.mt | 0.00 | 20.00 | 0.00 |
| 15 | Polishing flooring after repair work done as direct by E.I.C | Sq.mt | 1.00 | 172.00 | 172.00 |
| 16 | Providing & Fixing Nylon net (having net weight-0.065 kg/sq.mt) in outside as well as inside plaster / terrace water proofing at any height (no load or lift will be paid for the same) etc as direct by E.I.C | Sq.mt | 0.00 | 32.00 | 0.00 |
| 17 | <p>Providing & Applying Surface Water Proofing treatment on existing Water proofing.</p> <p>(1) Cleaning Surface Slab up to Mother slab & free from any Loose Material. Paint, Dust, Grease or Remove all existing bituminous Coating Completely. It is recommended to use intense wise brushing on high speed Water jet for through Cleaning.</p> <p>(2) The Substrate must be checked for its Soundness using Small hammer. All Cracks at corner joint, Channels and Parapet Should be Properly treated.</p> <p>(3) Cracks/construction joints treatment: Opening the cracks/construction joints,if any, in V/U shape using electrically operated cutting machine. Cleaning the surface thoroughly from dust and loose partial using wire brush and air blower. Filling the cracks if any with polymer modified cement mortar hybrid PU Sealant depending on the width of crack/joint.</p> <p>(4) Epoxy primer:The Epoxy primer must be applied on clean and dry surface by mixing base and hardner in equal proportions with the help of stirrer and adding equal amount of water and appling on the surface at 80-100 grams per sqmt and allowed it to dry untill tack free.</p> <p>(5) Hybrrid polyurea part-A(base) and part-B(hardner) are packed in two separate containers having the correct predetermined mixing ratio by weight.Stir individual container separately,Part-A and PArt-B very well, to get homogeneous material. The whole quantity of Part-B is added into Part-A.</p> | Sq.mt | 1.00 | 494.00 | 494.00 |
| 18 | Providing & Applying vata (10 cm x 10 cm size) quarter round in cement mortar (1:3) modified by using polymer and expanding grout additives including neat cement finishing, watering etc. complete. | R.M. | 100 | 100.00 | 10000.00 |
| 19 | <p>Carrying out Injection grouting for cracks in RCC structural members by drilling holes of 15 mm diameter upto minimum depth of 75 mm, fixing aluminium nozzle / rubber pipe using non-shrink epoxy putty, injecting epoxy grout material at specified pressure with grouting pump till it the material refuses to impregnate inside the hole. If required or suggested by the Engineer-in-charge, injection grouting shall be carried out more than once for a hole to assure proper spreading of grout material and filling of capillaries / voids within the element. After satisfactory injection grouting, the nozzle/pipe shall be cut and sealed by non-shrink epoxy putty.</p> <p>The surface shall be finished smooth with C:M (1:4) and reinstated to the original condition as directed by the Engineer-in-charge.</p> | | | | |
| | The rate shall include the cost of providing and supplying all tools, materials, labour, scaffolding, props, formwork, etc. complete. The make and quality of epoxy grout, epoxy putty, etc. shall be approved by the Engineer-in-charge. The procedure for application shall be strictly in accordance with manufacturer's detail specification, which shall be submitted before start of work and shall be approved by the Engineer-in-charge. (Actual no of holes and their locations shall be as decided by the Engineer-in-charge) | Sq.mt | 1.00 | 450.00 | 450.00 |

| | | | | | |
|----|---|-------|-------|--------|------------|
| 20 | Carrying out Injection grouting for cracks in RCC structural members by drilling holes of 15 mm diameter upto minimum depth of 75 mm, fixing aluminium nozzle / rubber pipe using cementitious compound, injecting polymer modified slurry (SBR+cement+water) 1:1:1 material at specified pressure with grouting pump till it the material refuses to impregnate inside the hole. If required or suggested by the Engineer-in-charge, injection grouting shall be carried out more than once for a hole to assure proper spreading of grout material and filling of capillaries / voids within the element. After satisfactory injection grouting, the nozzle/pipe shall be cut and sealed by non-shrink epoxy putty. The surface shall be finished smooth with C:M (1:4) and reinstated to the original condition as directed by the Engineer-in-charge. | | | | |
| | The rate shall include the cost of providing and supplying all tools, materials, labour, scaffolding, props, formwork, etc. complete. The make and quality of epoxy grout, epoxy putty, etc. shall be approved by the Engineer-in-charge. The procedure for application shall be strictly in accordance with manufacturer's detail specification, which shall be submitted before start of work and shall be approved by the Engineer-in-charge. (Actual NOS of holes and their locations shall be as decided by the Engineer-in-charge) | Sq.mt | 1.00 | 250.00 | 250.00 |
| 21 | Providing and applying cement mortar 1:4 enriched with expanding grout additive in required proportion in cement for repair of cracks in RCC and non-RCC members after making 25mm x 25mm groove, cleaning the surface and applying coat of bonding, finishing smooth the repaired surfaces, providing and applying curing agent on the repaired surfaces, etc. complete at all floor levels as directed by engineer-in-charge. The make and quality of expanding grout additives, bonding agent, curing agent, etc. shall be approved by the engineer-in-charge. The procedure for application shall be strictly in accordance with manufacturer's detail specification, which shall be submitted before start of work and shall be approved by the Engineer-in-charge. | Sq.mt | 15.00 | 120.00 | 1800.00 |
| | | | | TOTAL | 5500000.00 |

EXECUTIVE ENGINEER
SOUTHZONE-B(KANAKPUR)
SURAT MUNICIPAL CORPORATION