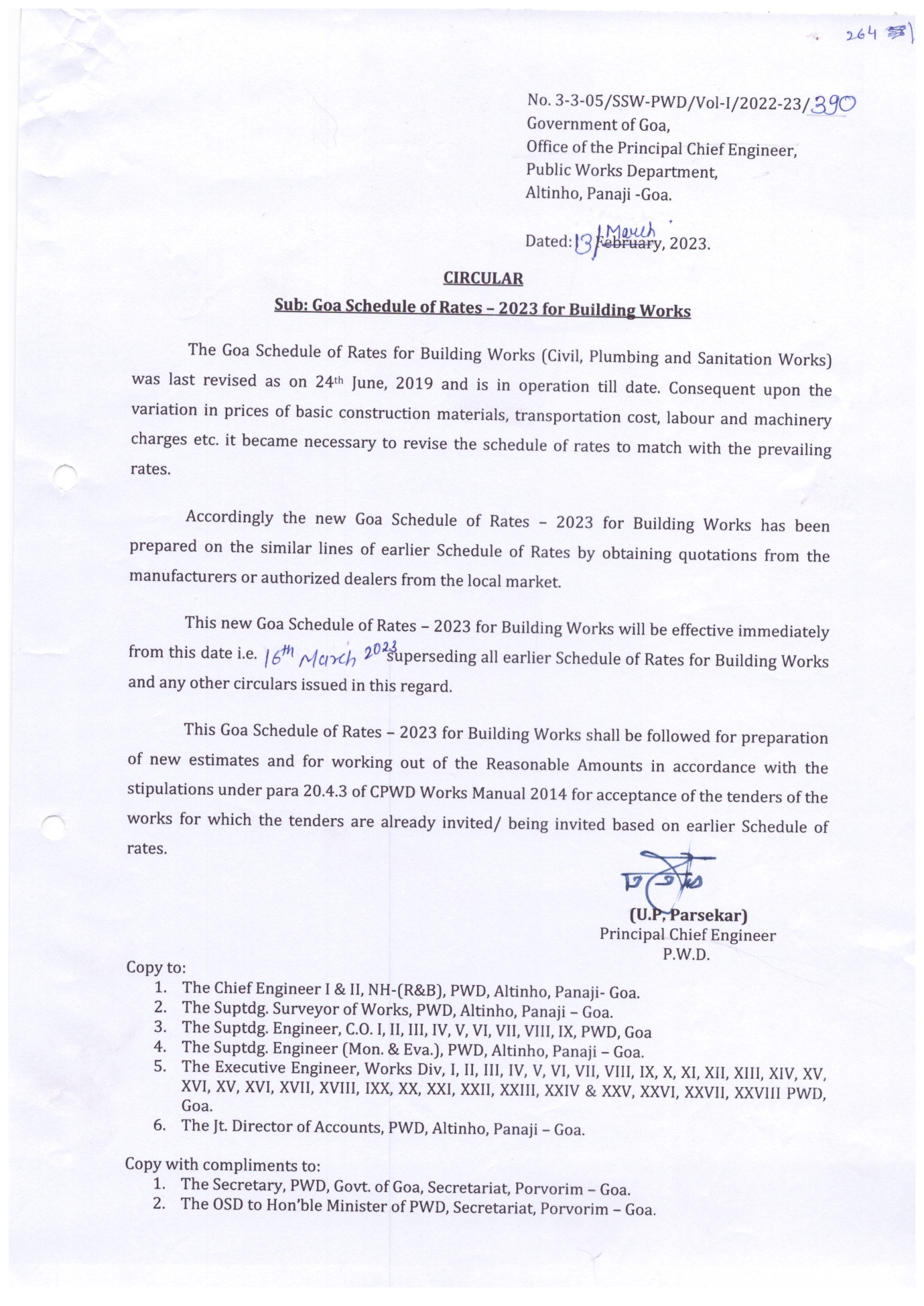
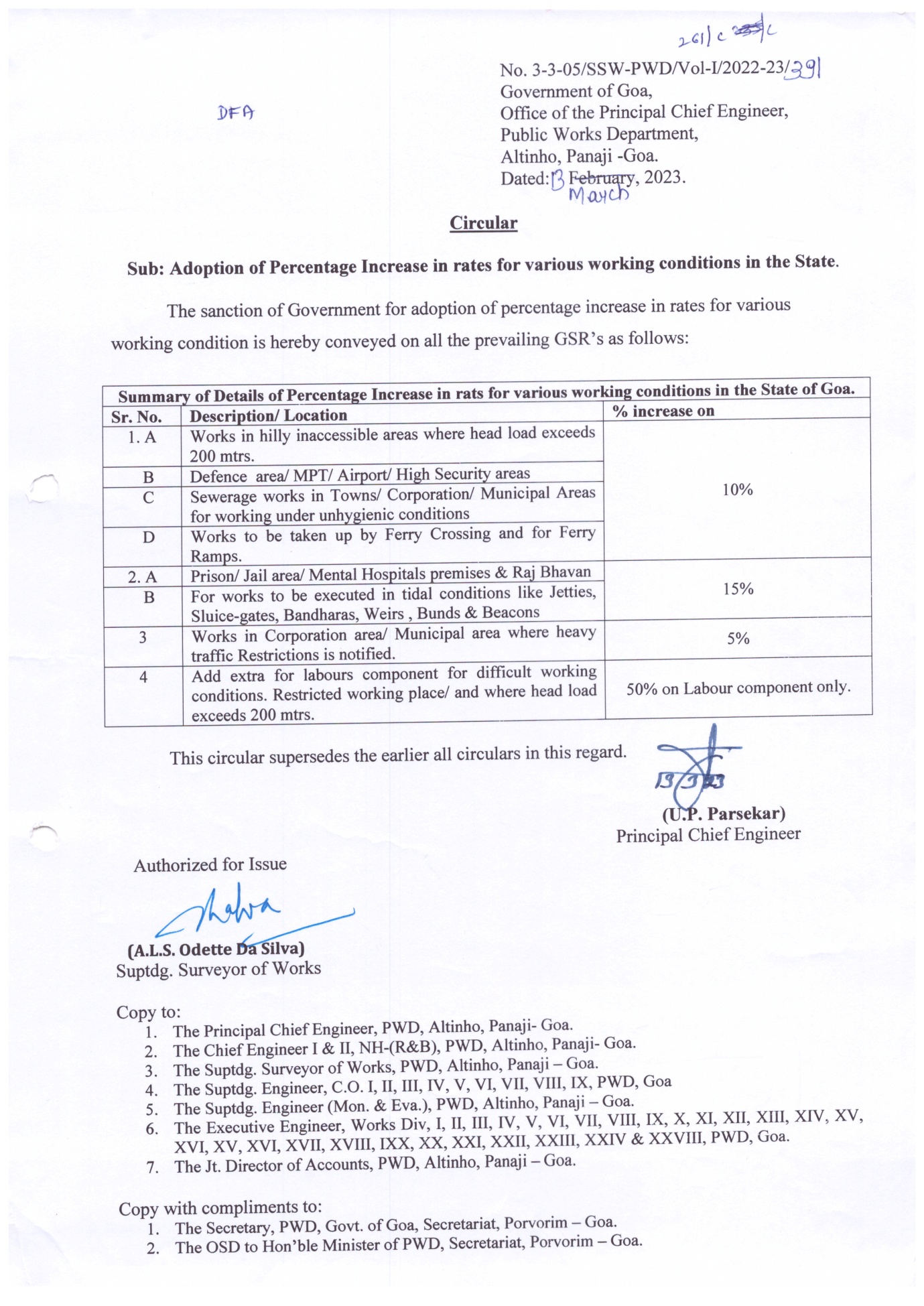
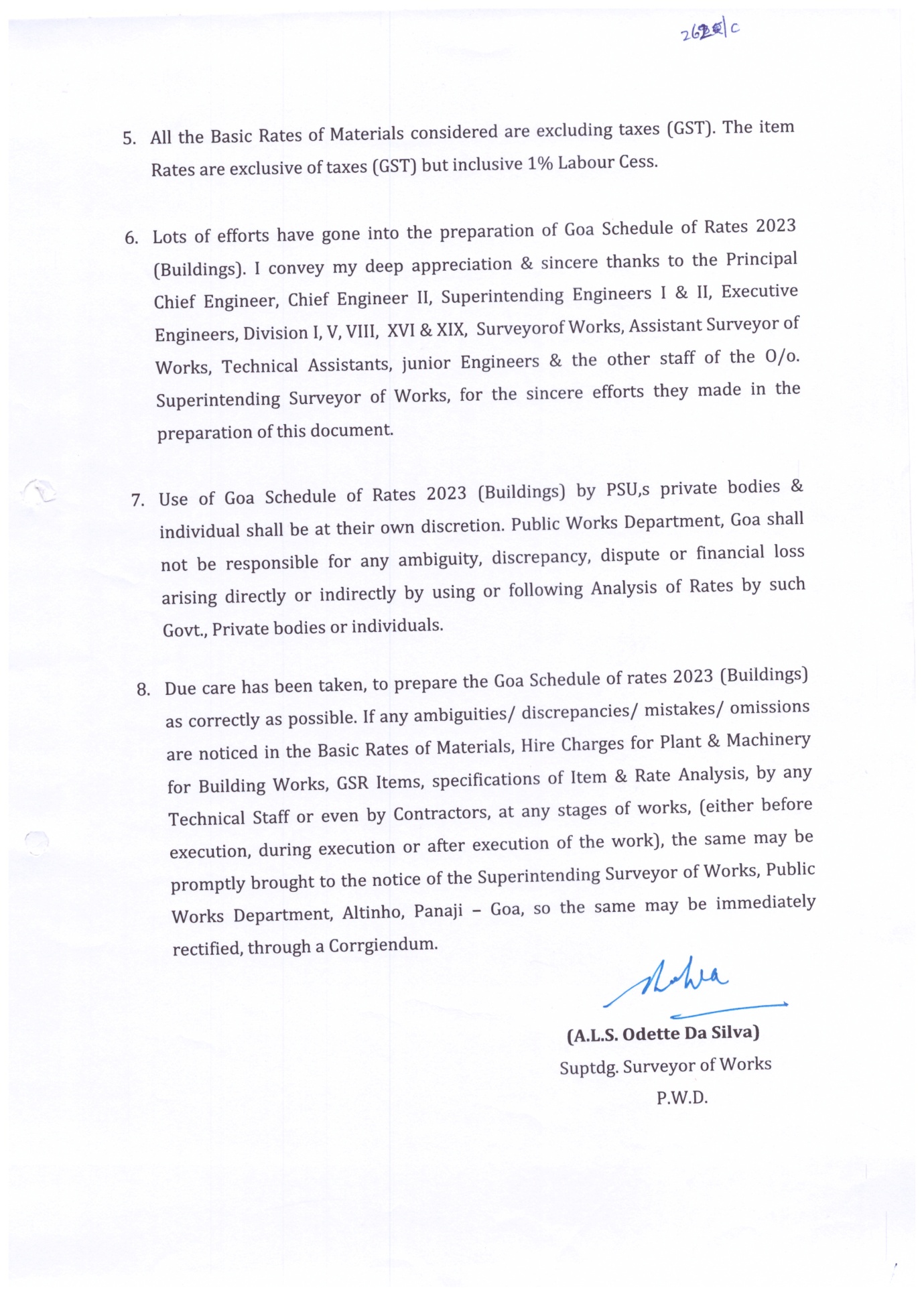
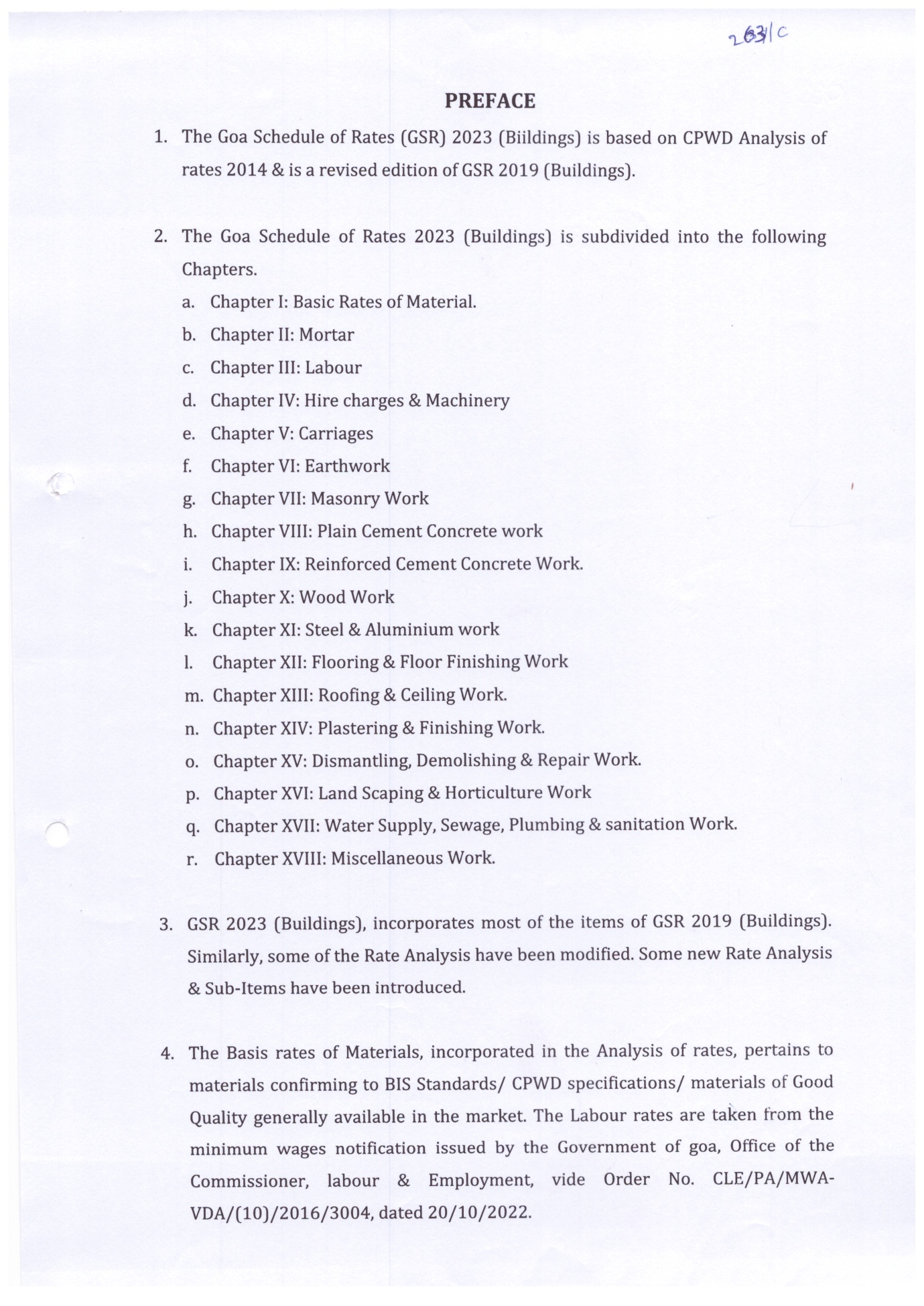
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| INDEX | | |  |
| **Chapter No** | **Subject** | **Item Nos.** | **Page Nos** |
| I | Basic Rates of Material. | 001 - 925 | 200-236 |
| II | Mortar | 1601 - 1611 | 199 |
| III | Labour | 1701 - 1722 | 197-198 |
| IV | Hire charges & Machinery | 2001 - 2014 | 196 |
| V | Carriage. | 3001 - 3434 | 189-195 |
| VI | Earth Work | 4001 - 4033 | 184-188 |
| VII | Masonary work | 5001 - 5050 | 178-183 |
| VIII | Plain Concrete work | 6001 - 6027 | 172-177 |
| IX | Reinforced Cement concrete. | 6030 - 6079 | 161-171 |
| X | Wood work | 7001 - 7180 | 130-160 |
| XI | Steel & Aluminium work | 8001 - 8061 | 117-129 |
| XII | Flooring | 9001 - 9096 | 100-116 |
| XIII | Roofing & Ceiling | 10001 - 10113 | 79-99 |
| XIV | Plastering & Finishing | 11001 - 11121 | 69-78 |
| XV | Dismantling, Demolishing & Repair Work. | 12001 - 12072 | 62-68 |
| XVI | Land Scaping & Horticulture | 13001 - 13012 | 60-61 |
| XVII | Water Supply & Sewage. | 15601 - 15772 | 33-59 |
| XVIII | Miscellaneous work | 18001 - 18095 | 1-32 |







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| **Basic Rate for Material** | | | | |
| **All the Basic Rates are Exclusive of G.S.T** | | | | |
| **Sr. No.** |  | **Description** | **Unit** | **Rate** |
| 001 |  | **Precast cement concrete solid blocks of compressive strength 70kg/cm2** |  |  |
| a | PCC (30X20X15) | 100 nos | 3200.00 |
| b | PCC (40X20X15) | 100 nos | 3600.00 |
| c | PCC (30X23X15) | 100 nos | 3600.00 |
| d | PCC (30X20X10) | 100 nos | 2700.00 |
| 002 |  | **Precast cement concrete hollow blocks of compressive strength 70kg/cm2** |  |  |
| a | PCC (40X20X10) | 100 nos | 3200.00 |
| b | PCC (40X20X20) | 100 nos | 3900.00 |
| c | PCC (40X20X15) | 100 nos | 3700.00 |
| 003 |  | **Precast cement concrete hollow blocks of compressive strength 50kg/cm2** |  |  |
| a | PCC (40X20X10) | 100 nos | 3000.00 |
| b | PCC (40X20X20) | 100 nos | 3700.00 |
| c | PCC (40X20X15) | 100 nos | 3500.00 |
| 004 |  | Bricks class design 75 kg/cm2 (1st class wire cut) | 1000 nos | 9000.00 |
| 005 |  | Bricks class design 40 kg/cm2 (1st class wire cut) | 1000 nos | 7000.00 |
| 006 |  | **Fly ash bricks** |  |  |
| a | 225X150X80MM | 1000 nos | 5992.00 |
| b | 230X110X80MM | 1000 nos | 5508.00 |
| c | 200X95X95MM | 1000 nos | 5085.00 |
| 007 |  | **Laterite stone** |  |  |
| a | ( 30 x 23 x 16) | 100 nos | 2300.00 |
| b | ( 30 x 30 x 16 ) | 100 nos | 2500.00 |
| c | ( 30 x 20 x 16 ) | 100 nos | 2300.00 |
| 008 |  | Patradevi stone (35 x 30 X 16) | 100 nos | 4000.00 |
| 009 |  | Patradevi stone (60 x 40 X 16) | 100 nos | 5300.00 |
| 010 |  | Stone soling | cu.m | 1000.00 |
| 011 |  | Garden soil | cu.m | 250.00 |
| 012 |  | **Granitic / Basaltic aggregate** |  |  |
| a | 50 mm | cu.m | 1150.00 |
| b | 40 mm | cu.m | 1212.00 |
| c | 32 mm | cu.m | 1200.00 |
| d | 20 mm | cu.m | 1100.00 |
| e | 12.5 mm | cu.m | 1300.00 |
| f | 10 mm | cu.m | 1100.00 |
| 013 |  | River pebbles | cu.m | 1050.00 |
| 014 |  | Laterite aggreate (60 / 50 mm) | cu.m | 400.00 |
| 015 |  | Laterite aggreate (40mm & below) | cu.m | 1700.00 |
| 016 |  | Cement (Ordinary Portland Cement 43 Grade) | tones | 6250.00 |
| 017 |  | Sand (river/manufactured) | cu.m | 1300.00 |
| Coarse | cu.m | 1300.00 |
| Fine | cu.m | 1300.00 |
| M. Sand (Manufactured) Confirming to IS 383 | cu.m | 1300.00 |
| M. Sand (Manufactured) Confirming to IS 1542 | cu.m | 1300.00 |
| 018 |  | Jungle wood (planks) | cu.m | 26486.00 |
| 019 |  | Jungle wood (scantlings) | cu.m | 26486.00 |
| 020 |  | Planks | cu.m | 26486.00 |
| 021 |  | Scantlings | cu.m | 26486.00 |
| 022 |  | Jamba wooden battens | cu.m | 47675.00 |
| 023 |  | Bitumen 80/100 Packed | tones | 62662.00 |
| 024 |  | Granitic / Basaltic boulders 150-200 | cu.m | 862.00 |
| 025 |  | Laterite boulders 150-200 mm | cu.m | 400.00 |
| 026 |  | Kerosene | Litre | 55.00 |
| 027 |  | Steam coal | quintal | 2900.00 |
| 028 |  | Cement (white) | tones | 17000.00 |
| 029 |  | Lime | quintal | 1428.00 |
| 030 |  | Mud/ Earth | cu.m | 250.00 |
| 031 |  | Marble dust | cu.m | 1143.00 |
| 032 |  | G.I Sheet 8' x 3' 25 SWG | sq.m | 484.00 |
| 033 |  | Mild steel (SAIL, TATA. VIZAG,JSW Steel Ltd.) | tones | 74000.00 |
| 034 |  | HYSD Reinforcement / TMT Steel reinforcement from **secondary producers** | tones | 60000.00 |
| 035 |  | CRS-500 Reinforcement (SAIL, TATA. VIZAG,JSW Steel Ltd. ) | tones | 77000.00 |
| 036 |  | TMT Steel reinforcement (SAIL, TATA. VIZAG,JSW Steel Ltd. ) | tones | 75000.00 |
| 037 |  | Steel bars | tones | 64000.00 |
| 038 |  | Cover blocks | Each | 3.00 |
| 039 |  | Binding wire | kgs | 74.00 |
| 040 |  | Non- Asbestos multi purpose fibre cement board 6mm thick | Sq. mt | 170.00 |
| 041 |  | Plasticizers | litre | 105.00 |
| 042 |  | Polysafe - Rustonil | litre | 466.00 |
| 043 |  | Precast reinforced concrete door frames | Metre | 258.00 |
| 044 |  | Copper | kgs | 466.00 |
| 045 |  | 1st class teakwood(Scantling) | cu.m | 148323.00 |
| 046 |  | 1st class teakwood(Planks) | cu.m | 162449.00 |
| 047 |  | 2nd class teakwood(Scantling) | cu.m | 123602.00 |
| 048 |  | 2nd class teakwood(Planks) | cu.m | 134197.00 |
| 049 |  | 1st class mattiwood(Scantling) | cu.m | 90000.00 |
| 050 |  | 1st class mattiwood(Planks) | cu.m | 98882.00 |
| 051 |  | 2nd class mattiwood(Scantling) | cu.m | 80000.00 |
| 052 |  | 2ndclass mattiwood(Planks) | cu.m | 88287.00 |
| 053 |  | Nanowood (Planks) | cu.m | 52972.00 |
| 054 |  | 3 mm glass | sq.m | 484.00 |
| 055 |  | Superior glass | sq.m | 699.00 |
| 056 |  | Flush door shutters (1st class teak Veneer both faces) |  |  |
| a | 38 mm | sq.m | 3002.00 |
| b | 35 mm | sq.m | 2647.00 |
| c | 30 mm | sq.m | 2292.00 |
| d | 25mm | sq.m | 1937.00 |
| 057 |  | Flush door shutters ( Commercial ply both faces) |  |  |
| a | 38 mm | sq.m | 2292.00 |
| b | 35 mm | sq.m | 1765.00 |
| c | 30 mm | sq.m | 1528.00 |
| d | 25mm | sq.m | 1001.00 |
| 058 |  | Flush shutters ( 1 face Commercial,1 face teak veneer) |  |  |
| a | 38 mm | sq.m | 1991.00 |
| b | 35 mm | sq.m | 1765.00 |
| c | 30 mm | sq.m | 1528.00 |
| d | 25mm | sq.m | 1001.00 |
| 059 |  | Flush door shutters deco type core of particle board(1st class teak Veneer both faces) |  |  |
| a | 38 mm | sq.m | 3605.00 |
| b | 35 mm | sq.m | 3250.00 |
| c | 30 mm | sq.m | 2894.00 |
| d | 25mm | sq.m | 2539.00 |
| 060 |  | Flush door shutters deco type core of particle board ( Commercial ply both faces) |  |  |
| a | 38 mm | sq.m | 2894.00 |
| b | 35 mm | sq.m | 2367.00 |
| c | 30 mm | sq.m | 2130.00 |
| d | 25mm | sq.m | 1603.00 |
| 061 |  | Flush door shutters deco type core of particle board ( 1 face Commercial,1 face teak veneer) |  |  |
| a | 38 mm | sq.m | 1937.00 |
| b | 35 mm | sq.m | 1775.00 |
| c | 30 mm | sq.m | 1991.00 |
| d | 25mm | sq.m | 1388.00 |
| 062 |  | Flush door shutters Cellular core const (1st class teak Veneer both faces) |  |  |
| a | 38 mm | sq.m | 2262.00 |
| b | 35 mm | sq.m | 2098.00 |
| c | 30 mm | sq.m | 1937.00 |
| d | 25mm | sq.m | 1907.00 |
| 063 |  | Flush door shutters Cellular core construction (Commercial ply both faces) |  |  |
| a | 38 mm | sq.m | 1506.00 |
| b | 35 mm | sq.m | 1829.00 |
| c | 30 mm | sq.m | 1722.00 |
| d | 25mm | sq.m | 1237.00 |
| 064 |  | Flush door shutters Cellular core construction (1 face Commercial,1 face teak veneer) |  |  |
| a | 38 mm | sq.m | 1775.00 |
| b | 35 mm | sq.m | 1991.00 |
| c | 30 mm | sq.m | 1937.00 |
| d | 25mm | sq.m | 1722.00 |
| 065 |  | Anodized aluminium hinges |  |  |
| a | 100 mm x 75 x 4 mm | 10Nos | 700.00 |
| b | 75 x 45 x 3.5 mm | 10Nos | 600.00 |
| c | 50 x45 x 3 mm | 10Nos | 550.00 |
| d | Coconut rafters | metre | 137.50 |
| 066 |  | Frosted glass 3 mm | sqm | 699.00 |
| 067 |  | Iron hinges |  |  |
| a | 100x 58x1.7 mm | 10Nos | 250.00 |
| b | 75 x 47x1.5 mm | 10Nos | 200.00 |
| c | 50x37x1.5mm | 10Nos | 150.00 |
| 068 |  | Iron screws 40 mm | 100Nos | 150.00 |
| 069 |  | Iron screws 30 mm | 100Nos | 120.00 |
| 070 |  | Iron screws 20 mm | 100Nos | 80.00 |
| 071 |  | Nickel plated piano hinges | Each | 180.00 |
| 072 |  | C.P brass screws 25 mm | Each | 1.25 |
| 073 |  | 4 mm thick Marine Ply | sq.m | 428.00 |
| 074 |  | 4mm thick Commercial Ply | sq.m | 264.00 |
| 075 |  | M.S round/Square bars | tone | 64000.00 |
| 076 |  | Priming coat with wood presative | litre | 105.00 |
| 077 |  | Jungle wood ballies 50 mm 2.75 mtrs long. | Each | 100.00 |
| 078 |  | Jungle wood ballies 100 mm 3.66 mtrs long. | Each | 150.00 |
| 079 |  | Jungle wood ballies 125 mm 3.66 mtrs long. | Each | 252.00 |
| 080 | a | Jungle wood ballies150 mm 3.66 mtrs long. | Each | 300.00 |
|  | b | Jungle wood ballies 200 mm 3.66 mtrs long. | Each | 500.00 |
| 081 |  | Novapan panels 12 mm | sq.m | 602.00 |
| 082 |  | Novapan panels 18 mm | sq.m | 699.00 |
| 083 |  | Wire guage | kgs | 135.00 |
| 084 |  | 4mm thick A.C sheet | sq.m | 178.00 |
| 085 |  | M.S. flats | tone | 65000.00 |
| 086 |  | Sintex door | Each | 3500.00 |
| 087 |  | Neeru | kg | 16.00 |
| 088 |  | Aluminium paint | litre | 240.00 |
| 089 |  | Anti corrosive Bituminiuos paint | litre | 80.00 |
| 090 |  | Black Japan paint | litre | 200.00 |
| 091 |  | Synthetic enamel paint | litre | 230.00 |
| 092 |  | Emulsion plastic | litre | 290.00 |
| 093 |  | Flat wall paint | litre | 170.00 |
| 094 |  | Ordinary ready mixed paint | litre | 170.00 |
| 095 |  | Synthetic enemal paint | litre | 230.00 |
| 096 |  | Transparent wood filler | litre | 170.00 |
| 097 |  | Putty | kg | 18.00 |
| 098 |  | Plastic roofing compound | kg | 50.00 |
| 099 |  | Dry distemper | kg | 50.00 |
| 100 |  | Oil bound washable distemper | kg | 60.00 |
| 101 |  | Linseed oil ( raw) | litre | 170.00 |
| 102 |  | Cement primer | litre | 135.00 |
| 103 |  | Distemper primer | litre | 140.00 |
| 104 |  | Waterproofing material(plaster) | litre | 28.00 |
| 105 |  | Waterproofing compound | kg | 44.00 |
| 106 |  | Marble chips (3mm&down) | kg | 54.00 |
| 107 |  | Unslaked lime | quintal | 2200.00 |
| 108 |  | Polysafe -Ec Primer | litre | 208.00 |
| 109 |  | Polysafe -Ec 1st coat | litre | 481.00 |
| 110 |  | Polysafe -Ec 2nd coat | litre | 566.00 |
| 111 |  | Solvent | litre | 170.00 |
| 112 |  | Steel paint exp white | litre | 245.00 |
| 113 |  | Red lead(ready mixed) | kg | 117.00 |
| 114 |  | White lead | kg | 400.00 |
| 115 |  | Waterproofing cement paint | kg | 36.00 |
| 116 |  | Red Oxide Metal primer | litre | 160.00 |
| 117 |  | Wax polish | kg | 300.00 |
| 118 |  | Ordinary Varnish flatting | litre | 260.00 |
| 119 |  | Superior copal | litre | 210.00 |
| 120 |  | Oil type (wood presavative) | litre | 200.00 |
| 121 |  | Paint remover | litre | 235.00 |
| 122 |  | Super snowcem | kg | 36.00 |
| 123 |  | Glue | kg | 235.00 |
| 124 |  | Turpentine oil | litre | 110.00 |
| 125 |  | Linseed (double boiled) | litre | 290.00 |
| 126 |  | Pink or white primer | litre | 189.00 |
| 127 |  | Metal primer | litre | 177.00 |
| 128 |  | Marble Dust | kg | 20.00 |
| 129 |  | Whiting | quintal | 1200.00 |
| 130 |  | Weathershield paint | litre | 290.00 |
| 131 |  | Coal tar | litre | 173.00 |
| 132 |  | Glass panes 3mm | sq.m | 484.00 |
| 133 |  | Painting coal tar (2 coats) | sq.m | 35.10 |
| 134 |  | Acryllic sheet 3 mm | sq.m | 914.00 |
| 135 |  | M.S steel structurals(SAIL, TATA. VIZAG,JSW Steel Ltd. )(R.S.Joists) | tone | 77000.00 |
| 136 |  | Flats upto 10 mm thickness | tone | 65000.00 |
| 137 |  | Flats exceeding 10mm thickness | tone | 65000.00 |
| 138 |  | M.S Tees, Angles (SAIL, TATA. VIZAG,JSW Steel Ltd. ) | tone | 69000.00 |
| 139 |  | M.S.Plates (SAIL, TATA. VIZAG,JSW Steel Ltd. ) | tone | 72000.00 |
| 140 |  | M.S.Rivets | quintal | 16494.00 |
| 141 |  | M.S.Hooks | Each | 17.00 |
| 142 |  | Steel Straining Bolts | quintal | 21186.00 |
| 143 |  | M.S .Rolling Shutter | sq.m | 1800.00 |
| 144 |  | Top cover 24 SWG | Metre | 660.00 |
| 145 |  | Spring 27.5 cm long | Each | 800.00 |
| 146 |  | Ball bearings Grade 2 | Each | 500.00 |
| 147 |  | Locking arrangement with handle | Each | 420.00 |
| 148 |  | Chain & crank upto 16.80 Sq.m | sq.m | 1800.00 |
| 149 |  | Chain & crank above 16.80 Sq.m | sq.m | 2000.00 |
| 150 |  | M.S. steel sheets (SAIL, TATA. VIZAG,JSW Steel Ltd. ) | tone | 73000.00 |
| 151 |  | Alluminium | kg | 325.00 |
| 152 |  | G.I pipe 50 mm dia | Metre | 330.00 |
| 153 |  | M.S round bars upto 10 mm dia (SAIL, TATA. VIZAG,JSW Steel Ltd. ) | tone | 65000.00 |
| 154 |  | M.S round bars above 10 mm dia (SAIL, TATA. VIZAG,JSW Steel Ltd. ) | tone | 66000.00 |
| 155 |  | Steel frame 85 x 60 mm | sq.m | 1450.00 |
| 156 |  | Steel frame 105 x 60 mm | sq.m | 2000.00 |
| 157 |  | Steel frame 125 x 60 mm | sq.m | 2100.00 |
| 158 |  | Fixing windows with lugs | sq.m | 250.00 |
| 159 |  | Steel doors (fixed) | sq.m | 1700.00 |
| 160 |  | Steel doors (single leaf) | sq.m | 2300.00 |
| 161 |  | Steel doors ( double leaf) | sq.m | 2400.00 |
| 162 |  | Steel windows(fixed) | sq.m | 1500.00 |
| 163 |  | Brass casement window fastner | Each | 93.00 |
| 164 |  | Brass peg stay | Each | 210.00 |
| 165 |  | Pulley ( 38 mm ) | Each | 25.00 |
| 166 |  | Pulley ( 25 mm ) | Each | 17.00 |
| 167 |  | Fuse powder | kg | 41.00 |
| 168 |  | Steel bolts& nuts abv 30 cm | quintal | 21186.00 |
| 169 |  | Steel bolts& nuts bel 30 cm | quintal | 21186.00 |
| 170 |  | Collapsable steel shutters | sq.m | 2400.00 |
| 171 |  | M.S cleats | Each | 234.00 |
| 172 |  | M.S square bars (SAIL, TATA. VIZAG,JSW Steel Ltd. ) | tone | 64000.00 |
| 173 |  | Steel vent(side hung) | sq.m | 1500.00 |
| 174 |  | Steel vent(top hung) | sq.m | 1300.00 |
| 175 |  | Steel vent(centre hung) | sq.m | 1400.00 |
| 176 |  | White glazed tiles 8"x8'' | sq.m | 300.00 |
| 177 |  | White glazed tiles 8"x12" | sq.m | 250.00 |
| 178 |  | Colour glazed tiles 8'x12" | sq.m | 340.00 |
| 179 |  | Precast terr tiles(light) | sq.m | 350.00 |
| 180 |  | Precast terr tiles(dark) | sq.m | 368.00 |
| 181 |  | White Makhrana marble | sq.m | 5380.00 |
| 182 |  | Marble(blue or black veins) | sq.m | 1237.00 |
| 183 |  | Kotah stone(20 mm) machine polished | sq.m | 560.00 |
| 184 |  | Cuddhapa stone(20mm)machinepolised | sq.m | 377.00 |
| 185 |  | Shahabad stone polished | sq.m | 409.00 |
| 186 |  | Ceramic glazed tiles (plain)12'x12" | sq.m | 350.00 |
| 187 |  | Ceramic glazed tiles (coloured 8"X8") | sq.m | 400.00 |
| 188 |  | Ceramic glazed tiles(coloured 12"x12") | sq.m | 350.00 |
| 189 |  | Ceramic glazed tiles(coloured 8"x12") | sq.m | 330.00 |
| 190 |  | Metallic floor hardener | quintal | 357.00 |
| 191 |  | High polymer modified quickset tile adhesive | kg | 20.00 |
| 192 |  | Precast plain cement tacktiles | sq.m | 250.00 |
| 193 |  | Vinyl flooring | sq.m | 620.00 |
| 194 |  | Red agra sand stone | sq.m | 592.00 |
| 195 |  | Jet black polish granite | sq.m | 1991.00 |
| 196 |  | Kota stone 35mm thick with nosing & 3 feet and above. | sq.m | 1076.00 |
| 197 |  | Ceramic glazed tiles(col 16"x16") | sq.m | 350.00 |
| 198 |  | Pigment(light) | kg | 117.00 |
| 199 |  | Pigment(dark) | kg | 109.00 |
| 200 |  | Cheq terr tiles(light) | sq.m | 602.00 |
| 201 |  | Cheq terr tiles(dark) | sq.m | 602.00 |
| 202 |  | Marble chips(1-4mm) | quintal | 388.00 |
| 203 |  | Marble chips(4-7 mm) | quintal | 465.00 |
| 204 |  | Marble chips(7-10 mm) | quintal | 504.00 |
| 205 |  | Fuse wire | Each | 10.00 |
| 206 |  | Vitrified tiles(glossy)plain/ | sq.m | 400.00 |
| 207 |  | Vitrified tiles(glossy)dark | sq.m | 500.00 |
| 208 |  | Vitrified tiles(matt) | sq.m | 450.00 |
| 209 |  | Vitrified tiles(antiskid) | sq.m | 438.00 |
| 210 |  | Vitrified tiles(pavers) | sq.m | 650.00 |
| 211 |  | AntiSkid tiles(light) | sq.m | 636.00 |
| 212 |  | AntiSkid tiles(dark) | sq.m | 636.00 |
| 213 |  | Pavers(interlock light dutyM25 | sq.m | 550.00 |
| 214 |  | Pavers(interlock heavy dutyM40 | sq.m | 650.00 |
| 215 |  | Pavers (interlock heavy duty) M30 grey cement | sq.m | 600.00 |
| 216 |  | Pavers(interlock heavy duty)M30col cement | sq.m | 650.00 |
| 217 |  | Ceramic | sq.m | 450.00 |
| 218 |  | Antiskid (dark) 12 x 12 & 16 x 16 | sq.m | 410.00 |
| 219 |  | Antiskid (light) 12 x 12 & 16 x 16 | sq.m | 375.00 |
| 220 |  | Rustics (dark) 380 x 380 | sq.m | 477.00 |
| 221 |  | Rustics (light) 380 x 380 | sq.m | 636.00 |
| 222 |  | Marbonite (dark) 2 x 2 | sq.m | 559.00 |
| 223 |  | Marbonite (light) 2 x 2 | sq.m | 500.00 |
| 224 |  | Marbonite (dark) 3 x 3 | sq.m | 678.00 |
| 225 |  | Marbonite (light) 3 x 3 | sq.m | 661.00 |
| 226 |  | Scratch resistant (dark) 2 x 2 | sq.m | 730.00 |
| 227 |  | Scratch resistant (light) 2 x 2 | sq.m | 708.00 |
| 228 |  | Industrial Tiles (dark) 10 mm | sq.m | 685.00 |
| 229 |  | Industrial Tiles (dark) 12 mm | sq.m | 835.00 |
| 230 |  | Industrial Tiles (light) 10 mm | sq.m | 708.00 |
| 231 |  | Industrial Tiles (light) 12 mm | sq.m | 930.00 |
| 232 |  | Tactile lines | sq.m | 440.00 |
| 233 |  | Tactile buttons | sq.m | 440.00 |
| 234 |  | Glazed wall tiles 200 x 300 | sq.m | 237.00 |
| 235 |  | Glazed wall tiles 300 x 450 | sq.m | 320.00 |
| 236 |  | Glazed wall tiles 300 x 600 | sq.m | 400.00 |
| 236 | a | Designer Series Floor & Wall tiles 600 x 600 (Glossy/ Matt) of Nitco/ Kajaria or Equivalent. | sq.m | 770.00 |
| 236 | b | Premium quality Floor & Wall tiles 600 x 600 (Glossy/ Matt) of Nitco/ Kajaria or Equivalent. | sq.m | 684.00 |
| 236 | c | Standard quality Floor & Wall tiles 600 x 600, (Glossy/ Matt) of Nitco/ Kajaria or Equivalent. | sq.m | 593.00 |
| 237 |  | A.C pipe 100 mm | Metre | 183.00 |
| 238 |  | M.S barbed wire | quintal | 10800.00 |
| 239 |  | G.I barbed wire | quintal | 9300.00 |
| 240 |  | G.I staples | 100Nos | 194.00 |
| 241 |  | Hollow glass blocks 20x20x10 | Each | 78.00 |
| 242 |  | Pile shoe 150 mm | Each | 93.00 |
| 243 |  | Pile shoe 200 mm | Each | 109.00 |
| 244 |  | Brass peg rack | Each | 105.00 |
| 245 |  | G.I pipe 25 mm | Metre | 235.00 |
| 246 |  | G.I pipe 40 mm | Metre | 340.00 |
| 247 |  | G.I elbows 40 mm | Each | 110.00 |
| 248 |  | Aluminium strip edging | sq.m | 71.00 |
| 249 |  | M.S plate 6mm | quintal | 7200.00 |
| 250 |  | Creosote oil | litre | 390.00 |
| 251 |  | Diesel | litre | 77.03 |
| 252 |  | Grease | kg | 365.00 |
| 253 |  | Black Japan paint | litre | 190.00 |
| 254 |  | Mobil oil | litre | 217.00 |
| 255 |  | Binding wire | kg | 74.00 |
| 256 |  | Asbestos sheet 4 mm | Metre | 166.00 |
| 257 |  | Wooden cleats | Each | 25.00 |
| 258 |  | Lubricant | litre | 233.00 |
| 259 |  | Bottle trap 150mm (C.P) | Each | 1269.00 |
| 260 |  | Fisher union 32 mm | Each | 67.00 |
| 261 |  | Fisher union 40 mm | Each | 92.00 |
| 262 |  | 15 mm C.P. brass pillar tap | Each | 633.00 |
| 263 |  | Screws & plugs | Each | 83.00 |
| 264 |  | C.P brass shower rose 100 mm | Each | 208.00 |
| 265 |  | C.P brass shower rose 150 mm | Each | 233.00 |
| 266 |  | Lead connection pipe 30 cm | Each | 59.00 |
| 267 |  | Lead connection pipe 45 cm | Each | 67.00 |
| 268 |  | Single equal plain "Y"150 x 150 x 150 | Each | 350.00 |
| 269 |  | Single equal plain "Y"100 x 100 x 100 | Each | 200.00 |
| 270 |  | Single equal plain "Y"75 x 75 x 75 | Each | 150.00 |
| 271 |  | Double unequal plain invert150 x 150 x 100x 100 | Each | 450.00 |
| 272 |  | Double unequal plain invert100x100x75x75 | Each | 450.00 |
| 273 |  | Double equal plain invert 150 mm | Each | 400.00 |
| 274 |  | Double equal plain invert 100 mm | Each | 450.00 |
| 275 |  | Double equal plain invert 75 mm | Each | 210.00 |
| 276 |  | Double unequal junction( plain)100x50 | Each | 220.00 |
| 277 |  | Double unequal junction( plain)100x75 | Each | 312.00 |
| 278 |  | Centri fugally C.I traps 100 inlet 100 mm outlet | Each | 515.00 |
| 279 |  | Centri fugally C.I traps 100 inlet 75 mm outlet | Each | 498.00 |
| 280 |  | Centri fugally C.I traps 100 inlet 50 mm outlet | Each | 209.00 |
| 281 |  | Pipe clips 110 mm | Each | 20.00 |
| 282 |  | Pipe clips 90 mm | Each | 13.00 |
| 283 |  | Synthetic enamel | Each | 230.00 |
| 284 |  | 12.5 litres( low level)flushing cistern ceramic | Each | 1750.00 |
| 285 |  | Single equal "Y"( door)150 x 150 x 150 | Each | 500.00 |
| 286 |  | Single equal "Y"(door)100 x 100 x 100 | Each | 250.00 |
| 287 |  | Single equal "Y"(door)75 x 75 x 75 | Each | 180.00 |
| 288 |  | Brass full way valve with wheel 65 mm | Each | 2324.00 |
| 289 |  | Double equal invert(door)150mm | Each | 729.00 |
| 290 |  | Double equal invert(door)100 mm | Each | 279.00 |
| 291 |  | Double equal invert(door) 75 mm | Each | 218.00 |
| 292 |  | Double unequal junction(door)100x50 | Each | 240.00 |
| 293 |  | Double unequal junction(door)100x75 | Each | 347.00 |
| 294 |  | Centri (door)y C.I traps 100 inlet 100 mm outlet | Each | 152.00 |
| 295 |  | Centri C.I traps(door) 100 inlet 75 mm outlet | Each | 202.00 |
| 296 |  | Centri fugally C.I traps 100 inlet 50 mm outlet | Each | 215.00 |
| 297 |  | 100 mm S.W pipes | Each | 80.00 |
| 298 |  | S.C.I grating | Each | 18.00 |
| 299 |  | Double unequal Invt100 x 100x75 x 75(door) | Each | 844.00 |
| 300 |  | Double unequal Invt100 x 100 x 75x 75(plain) | Each | 760.00 |
| 301 |  | Single un equal Invt100 x 100 x 75(plain) | Each | 562.00 |
| 302 |  | Single equal Invt 100 x 100 x 50 (plain) | Each | 374.00 |
| 303 |  | Single equal Invt 75 x 75 x 50(plain) | Each | 233.00 |
| 304 |  | S.C.I trap(nahni) 100 mm x 50 mm | Each | 180.00 |
| 305 |  | White glazed tiles | sq.m | 300.00 |
| 306 |  | Porcelain enameled bend | Each | 274.00 |
| 307 |  | 65 mm S.C.I trap | Each | 362.00 |
| 308 |  | M.S holder bat clamps (32mm) | Each | 40.00 |
|  |  |  |  |  |
|  |  | **H.D.P.E** |  |  |
| 309 |  | H.D.P.E. pipes 25 mm | Metre | 42.00 |
| 310 |  | H.D.P.E. pipes 32 mm | Metre | 67.00 |
| 311 |  | H.D.P.E. pipes 30 mm | Metre | 67.00 |
| 312 |  | H.D.P.E. pipes 40 mm | Metre | 84.00 |
| 313 |  | H.D.P.E. pipes 50 mm | Metre | 130.00 |
| 314 |  | H.D.P.E. pipes 65 mm | Metre | 210.00 |
| 315 |  | H.D.P.E. 200 Litres capacity water storage Tanks | Each | 1890.00 |
| 316 |  | H.D.P.E. 500 Litres capacity water storage Tanks | Each | 4000.00 |
| 317 |  | H.D.P.E. 1000 Litres capacity water storage Tanks | Each | 7630.00 |
|  |  |  |  |  |
|  |  | **P.V.C Fittings** |  |  |
| 318 |  | P.V.C connection pipe 18" | Each | 100.00 |
| 319 |  | P.V.C connection pipe 15" | Each | 90.00 |
| 320 |  | P.V.C connection pipe 12" | Each | 80.00 |
| 321 |  | P.V.C flushing cistern 10 litres ( high level) (ARK) | Each | 1300.00 |
| 322 |  | P.V.C flushing cistern 10 litres ( low level) " | Each | 1400.00 |
|  |  |  |  |  |
|  |  | **R.P.V.C. Fittings** |  |  |
| 323 |  | R.P.V.C double "Y" (door) 90 mm | Each | 230.00 |
| 324 |  | R.P.V.C double "Y" (door) 110 mm | Each | 390.00 |
| 325 |  | R.P.V.C cowl 110 mm | Each | 25.00 |
| 326 |  | R.P.V.C cowl 90 mm | Each | 20.00 |
| 327 |  | R.P.V.C double "Y" ( plain) 90 mm | Each | 215.00 |
| 328 |  | R.P.V.C double "Y" ( plain)110 mm | Each | 360.00 |
| 329 |  | R.P.V.C nahni trap 110 mm | Each | 115.00 |
| 330 |  | R.P.V.C nahni trap 90 mm | Each | 71.00 |
|  |  |  |  |  |
|  |  | **C.I. Fittings** |  |  |
| 331 |  | C.I foot rests | Each | 750.00 |
| 332 |  | C.I manhole frame & Cover(500 mm dia Wt 116 kg) | Each | 11205.00 |
| 333 |  | C.I rectangular frame & cover(455 x 610 wt 38 kg) | Each | 3736.00 |
| 334 |  | C.I cover with frame 30 x 30 cms(Wt.10Kg) | Each | 984.00 |
| 335 |  | C.I grating 100 x 100 mm | Each | 40.00 |
|  |  |  |  |  |
|  |  | **G.I. Pipes** |  |  |
| 336 |  | G.I pipes 15 mm(medium) "B" Class | Metre | 74.00 |
| 337 |  | G.I pipes 20 mm " | Metre | 89.00 |
| 338 |  | G.I pipes 25 mm " | Metre | 115.00 |
| 339 |  | G.I pipes 32 mm " | Metre | 147.00 |
| 340 |  | G.I pipes 40 mm " | Metre | 174.00 |
| 341 |  | G.I pipes 50 mm " | Metre | 215.00 |
| 342 |  | G.I pipes 65 mm " | Metre | 391.00 |
| 343 |  | G.I inlet connection | Each | 54.00 |
| 344 |  | G.I nut | Each | 100.00 |
| 345 |  | G.I chain with G.I pull | Each | 125.00 |
| 346 |  | G.I Jam nut | Each | 65.00 |
| 347 |  | G.I Tee( 50 mm ) | Each | 210.00 |
|  |  |  |  |  |
|  |  | **Brass Fittings** |  |  |
| 348 |  | Brass stop cock 15 mm | Each | 340.00 |
| 349 |  | Brass stop cock 20 mm | Each | 480.00 |
| 350 |  | Brass stop cock 25 mm | Each | 322.00 |
| 351 |  | Brass stop cock 32 mm | Each | 551.00 |
| 352 |  | Brass stop cock 40 mm | Each | 932.00 |
| 353 |  | Brass stop cock 50 mm | Each | 1085.00 |
| 354 |  | Brass bib cock 15 mm | Each | 340.00 |
| 355 |  | Brass bib cock 20 mm | Each | 550.00 |
| 356 |  | Brass bib cock 25 mm | Each | 175.00 |
| 357 |  | Brass full way valve 15 mm (ISI Mark) | Each | 225.00 |
| 358 |  | Brass full way valve 20 mm " | Each | 325.00 |
| 359 |  | Brass full way valve 25 mm " | Each | 475.00 |
| 360 |  | Brass full way valve 32 mm " | Each | 675.00 |
| 361 |  | Brass full way valve 40 mm " | Each | 1100.00 |
| 362 |  | Brass full way valve 50 mm " | Each | 1350.00 |
| 363 |  | Brass full way valve 65 mm " | Each | 6200.00 |
| 364 |  | Brass full way valve 80 mm " | Each | 9300.00 |
|  |  |  |  |  |
|  |  | **Sanitary Fittings** |  |  |
| 365 |  | Towel rail 600 x 20 mm | Each | 1800.00 |
| 366 |  | Towel rail 450 x 20 mm | Each | 1590.00 |
| 367 |  | Soap dish (C.P) | Each | 574.00 |
| 368 |  | Toilet paper holder(C.P) | Each | 1010.00 |
| 369 |  | Bath tubs ( fibre glass)(1700x740x440) | Each | 6198.00 |
| 370 |  | Acrylic bath tub(1650x750x440) | Each | 13000.00 |
| 371 |  | Rubber plug 40 mm | Each | 240.00 |
| 372 |  | Acrylic bath tub(1520x750x440) | Each | 13000.00 |
| 373 |  | Mirror 600 x 450 mm | Each | 1352.00 |
| 374 |  | Glass shelf 600 x 120 mm(5mm) | Each | 272.00 |
| 375 |  | Liquid soap container 500 ml wall mounted (glass) | Each | 1586.00 |
| 376 |  | Liquid soap container 200 ml-(plastic) | Each | 1467.00 |
| 377 |  | Long Pan pattern ( W.C pan) | Each | 2800.00 |
| 378 |  | Indian Type ( W.C. pan ) | Each | 2405.00 |
| 379 |  | European type (W.C pan ) | Each | 1380.00 |
| 380 |  | White plastic seat & lid | Each | 1812.00 |
| 381 |  | Black plastic seat & lid | Each | 1812.00 |
| 382 |  | Flat - back single urinal | Each | 1997.00 |
| 383 |  | Range of 2 urinals | Each | 2135.00 |
| 384 |  | Range of 3 urinals | Each | 2516.00 |
| 385 |  | Range of 4 urinals | Each | 3084.00 |
| 386 |  | Single seater | Each | 2174.00 |
| 387 |  | Range of 2 urinals | Each | 2135.00 |
| 388 |  | Range of 3 urinals | Each | 2516.00 |
| 389 |  | Range of 4 urinals | Each | 3084.00 |
| 390 |  | Flat - back wash basin(550 x 400 mm) | Each | 1614.00 |
| 391 |  | Pedestal for wash basin | Each | 2177.00 |
| 392 |  | Foot rests for W,C | Each | 675.00 |
| 393 |  | 5 litres high level P.V,C. flushing cistern | Each | 744.00 |
| 394 |  | 5 litres low level P.V.C flushing cistern | Each | 686.00 |
| 395 |  | 10 litres high level P.V,C. flushing cistern | Each | 895.00 |
| 396 |  | 10 litres low level P.V.C flushing cistern | Each | 895.00 |
| 397 |  | 5 litres C.I automatic flushing cistern | Each | 8747.00 |
| 398 |  | 10 litres C.I automatic flushing cistern | Each | 680.00 |
| 399 |  | 15 litres C.I automatic flushing cistern | Each | 1736.00 |
| 400 |  | Wash basin(white vitreous) 630 x 450 mm | Each | 2627.00 |
| 401 |  | Wash basin(white vitreous ) 550 x 400 mm | Each | 1487.00 |
| 402 |  | Kitchen sink (white vitreous )- 600 x 400 x 250 mm | Each | 2254.00 |
| 403 |  | Kitchen sink (white vitreous )- 600 x 400 x 200 mm | Each | 1983.00 |
| 404 |  | Telescopic Flush pipe 32 mm(G.) | Each | 393.00 |
| 405 |  | Mosquito proof coupling | Each | 443.00 |
| 406 |  | Angle back wash basin(600 x480 mm) | Each | 214.00 |
| 407 |  | Angle back wash basin(400 x400 mm) | Each | 837.00 |
| 408 |  | Heel rest bend 100mm | Each | 367.00 |
| 409 | a | Heel rest bend 75mm | Each | 315.00 |
| b | Heel rest bend 50mm | Each | 236.00 |
| 410 |  | Flush valve | Each | 1305.00 |
| 411 |  | White glazed tiles | sqm | 300.00 |
| 412 |  | Spreader for urinal | Each | 732.00 |
| 413 |  | Porcelain stopper | Each | 97.00 |
| 414 |  | Chain with rubber plug 32 mm | Each | 172.00 |

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|  |  | **Pipes** |  | **Sand Cast Iron** | **R.P.V.C** | **Centri C.I** |
|  |  |  |  | **(a)** | **(b)** | **(c)** |
| 415 |  | Pipes 100 mm | Metre | 1114.00 | 212.00 | 2234.00 |
| 416 |  | Pipes 75 mm | Metre | 952.00 | 104.00 | 1270.00 |
| 417 |  | Pipes 50 mm | Metre | 770.00 | 102.00 | 1055.00 |
| 418 |  | Double equal Jnct100(door) | Each | 844.00 | 153.00 | 919.00 |
| 419 |  | Double equal Junction 75(door) | Each | 608.00 | 119.00 | 662.00 |
| 420 |  | Double equal Junction 50(door) | Each | 497.00 | 30.00 | 523.00 |
| 421 |  | Double equal Jnct100(plain) | Each | 760.00 | 110.00 | 919.00 |
| 422 |  | Double equal Junction 75 (plain) | Each | 580.00 | 68.00 | 631.00 |
| 423 |  | Double equal Junction 50(plain) | Each | 402.00 | 30.00 | 508.00 |
| 424 |  | Single equal Jnct150(door) | Each | 588.00 | 407.00 | 1440.00 |
| 425 |  | Single equal Junction 100 (door) | Each | 562.00 | 161.00 | 611.00 |
| 426 |  | Single equal Junction 75(door) | Each | 374.00 | 93.00 | 407.00 |
| 427 |  | Single equal Jnction 100 (plain) | Each | 501.00 | 373.00 | 545.00 |
| 428 |  | Single equal Junction 75 (plain) | Each | 347.00 | 153.00 | 377.00 |
| 429 |  | Single equal Junction 50(plain) | Each | 344.00 | 76.00 | 292.00 |
| 430 |  | Double unequal Jnct100x75(door) | Each | 431.00 | - | - |
| 431 |  | Double unequal Jnc100 x50 (door) | Each | 343.00 | - | - |
| 432 |  | Double unequal Junction 75 x 50(door) | Each | 245.00 | - | - |
| 433 |  | Double unequal Jnct100(plain)x 100 x 75 mm | Each | 441.00 | 55.00 | - |
| 434 |  | Double unequal Junction 100 x50 (plain) | Each | 353.00 | 30.00 | - |
| 435 |  | Double unequal Junction 75 x50(plain) | Each | 280.00 | - | - |
| 436 |  | Single unequal Junction 150 x 100(door) | Each | 655.00 | 406.00 | 1746.00 |
| 437 |  | Single unequal Junction 100 x 75 (door) | Each | 536.00 | 204.00 | 931.00 |
| 438 |  | Single unequal Junction 100 x50(door) | Each | 417.00 | - | 713.00 |
| 439 |  | Single unequal Junction 150 x 100(plain) | Each | 616.00 | 379.00 | 1625.00 |
| 440 |  | Single unequal Junction 100 x 75 (plain) | Each | 557.00 | 178.00 | 653.00 |
| 441 |  | Single unequal Junction 100 x50(plain) | Each | 352.00 | - | 713.00 |
| 442 |  | Single equal Invt150 (door) | Each | 417.00 | 88.00 | - |
| 443 |  | Single equal Invt 100 (door) | Each | 345.00 | 48.00 | - |
| 444 |  | Single equal Invt 75(door) | Each | 258.00 | - | - |
| 445 |  | Single equal Invt100(plain) | Each | 469.00 | 69.00 | 1162.00 |
| 446 |  | Single equal Invt 75 (plain) | Each | 310.00 | 38.00 | 451.00 |
| 447 |  | Single equal Invt 50(plain) | Each | 207.00 | - | 313.00 |
| 448 |  | Bend (plain) 150mm | Each | 372.00 | 306.00 | 773.00 |
| 449 |  | Bend (plain) 100mm | Each | 352.00 | 126.00 | 382.00 |
| 450 |  | Bend (plain) 75 mm | Each | 276.00 | 73.00 | 300.00 |
| 451 |  | Bend (Door) 100 mm | Each | 390.00 | 155.00 | 424.00 |
| 452 |  | Bend (door) 75 mm | Each | 318.00 | 91.00 | 346.00 |
| 453 |  | Bend (door) 50 mm | Each | 204.00 | 92.00 | 282.00 |
|  |  |  |  |  |  |  |
|  |  | **S.C.I Offset** |  | **75 mm dia** | **100 mm dia** | **150 mm dia** |
| 454 |  | 75 mm Projection | Each | 221.00 | 283.00 | - |
| 455 |  | 150 mm projection | Each | 311.00 | 370.00 | 781.00 |
|  |  |  |  |  |  |  |
|  |  |  |  | **100 mm dia** | **150 mm dia** | **230 mm dia** |
| 456 |  | Stone ware pipes | Metre | 58.00 | 105.00 | 169.00 |
|  |  |  |  | **100 x 100 mm** | **150 x 100 mm** | - |
| 457 |  | S.W Gully trap | Each | 399.00 | 297.00 | - |

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| 458 |  | 15 mm | Metre | 51.33 | 58.66 |  |
| 459 |  | 20 mm | Metre | 78.00 | 83.33 |  |
| 460 |  | 25 mm | Metre | 114.00 | 129.00 |  |
| 461 |  | 32 mm | Metre | 183.33 | 215.00 |  |
| 462 |  | 40 mm | Metre | 253.00 | 294.33 |  |
| 463 |  | 50 mm | Metre | 417.33 | 495.33 |  |
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|  |  | **PP-R Pipes & Accessories** |  | **12 mm** | **20 mm** | **25 mm** |
|  |  |  |  | **(a)** | **(b)** | **(c)** |
| 464 |  | Pipe (PN 10/SDR 11) - 3 layer | Metre | 75.00 | 142.00 | 200.00 |
| 465 |  | Pipe (PN 16/SDR 7.4) - 3 layer | Metre | 63.00 | 125.00 | 183.00 |
| 466 |  | Pipe (PN 20/SDR 6) - 3 layer | Metre | 50.00 | 113.00 | 162.00 |
|  |  |  |  |  |  |  |
|  |  |  |  | **32 mm** | **40 mm** | **50 mm** |
|  |  |  |  | **(d)** | **(e)** | **(f)** |
| 467 |  | Pipe (PN 10/SDR 11) - 3 layer | Metre | 279.00 | 374.00 | 507.00 |
| 468 |  | Pipe (PN 16/SDR 7.4) - 3 layer | Metre | 266.00 | 357.00 | 482.00 |
| 469 |  | Pipe (PN 20/SDR 6) - 3 layer | Metre | 249.00 | 341.00 | 461.00 |
|  |  |  |  |  |  |  |
|  |  |  |  | **63 mm** | **75 mm** | **90 mm** |
|  |  |  |  | **(g)** | **(h)** | **(i)** |
| 470 |  | Pipe (PN 10/SDR 11) - 3 layer | Metre | 590.00 | 681.00 | 756.00 |
| 471 |  | Pipe (PN 16/SDR 7.4) - 3 layer | Metre | 507.00 | 656.00 | 718.00 |
| 472 |  | Pipe (PN 20/SDR 6) - 3 layer | Metre | 432.00 | 623.00 | 694.00 |

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|  |  |  |  | **110 mm** | **160 mm** |  |
|  |  |  |  | **(j)** | **(k)** |  |
| 473 |  | Pipe (PN 10/SDR 11) - 3 layer | Metre | 1299.00 | 2803.00 |  |
| 474 |  | Pipe (PN 16/SDR 7.4) - 3 layer | Metre | 1857.00 | 3929.00 |  |
| 475 |  | Pipe (PN 20/SDR 6) - 3 layer | Metre | 2200.00 | 4605.00 |  |

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| **Basic rate for Material** | | | | | | | |
| **Sr.No.** |  | **Description** | **Unit** | **Rate** |  |  |  |
|  |  |  |  | **S.C.I collar** | **Rubber insertion** | **(P.V.C door)** | **S.C.I terminal guard** |
|  |  |  |  | **(a)** | **(b)** | **( c)** | **(d)** |
| 476 |  | 50 mm | Each | 160.00 | 16.00 | 31.00 | 200.00 |
| 477 |  | 75 mm | Each | 183.00 | 18.00 | 35.00 | 219.00 |
| 478 |  | 100 mm | Each | 293.00 | 20.00 | 42.00 | 293.00 |

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|  |  | **WATER STORAGE TANKS** |  |  |
|  |  | **R.C.C** |  |  |
| 479 |  | 225Litres capacity | Each | 2500.00 |
| 480 |  | 480Litres capacity | Each | 5300.00 |
| 481 |  | Double equal Invt100(plain) | Each | 515.00 |
| 482 |  | Double equal Invt 75 (plain) | Each | 399.00 |
| 483 |  | S.C.I trap(nahni) 100 mm x 100 mm | Each | 288.00 |
| 484 |  | S.C.I trap((nahni)100 x 50 mm | Each | 133.00 |

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|  |  | **A.C off sett** |  | **75 mm proj** | **100 mm proj** | **150 mm proj** | **200 mm** | **300 mm** |
|  |  |  |  | **(a)** | **(b)** | **( c)** | **(d)** | **(e)** |
| 485 |  | 100 mm dia | Each | 47.00 | 59.00 | 28.00 | 35.00 | 35.00 |
| 486 |  | 80 mm dia | Each | 34.00 | 39.00 | 22.00 | 23.00 | 22.00 |
| 487 |  | 50 mm dia | Each | 29.00 | 32.00 | 23.00 | - | - |
| 488 |  | A.C collars 100 mm dia | Each | - | - | 10.00 | - | - |
| 489 |  | A.C collars80 mm dia | Each | - | - | 10.00 | - | - |
| 490 |  | A.C collars 50 mm dia | Each | - | - | 9.00 | - | - |
| 491 |  | A.C terminal guard 100 mm | Each | - | - | 21.00 | - | - |
| 492 |  | A.C terminal guard 80 mm | Each | - | - | 17.00 | - | - |
| 493 |  | A.C terminal guard 50 mm | Each | - | - | 14.00 | - | - |

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|  |  | **Brass ball valve** |  | **15 mm** | **20 mm** | **25 mm** | **32 mm** | **40 mm** | **50 mm** |
|  |  |  |  | **(a)** | **(b)** | **( c)** | **(d)** | **(e)** | **(f)** |
| 494 |  | with P.V.C floats(low) | Each | 125.00 | 160.00 | 210.00 | 535.00 | 616.00 | 0.00 |
| 495 |  | with copper floats High) | Each | 1100.00 | 1235.00 | 3900.00 | 1000.00 | 1302.00 | 0.00 |
| 496 |  | with plastic floats(high & low) | Each | 233.00 | 252.00 | 291.00 | - | - | - |
| 497 |  | Brass ferrule | Each | 958.00 | 1565.00 | 2100.00 | - | - | - |
| 498 |  | Brass non return valve | Each | 260.00 | 360.00 | 1000.00 | 1440.00 | 1690.00 | 2520.00 |

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| 499 |  | Brass non return valve |  | **65 mm** | **80 mm** |
|  |  |  |  | **(a)** | **(b)** |
|  |  |  | Each | 5170.00 | 8585.00 |

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|  |  |  |  | **50 mm** | **75 mm** | **100 mm** | **150 mm** |
|  |  |  |  | **(a)** | **(b)** | **( c)** | **(d)** |
| 500 |  | SC.I intercepting trap with chain & lid | Each | - | - | 421.00 | 475.00 |
| 501 |  | SC.I pass over pipe | Each | 603.00 | 631.00 | 747.00 | - |

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|  |  | **Fittings** |  | **Brass** | **C.P.Brass** | **Iron fittings** | **Cu oxidized (Fe)** | **Aluminum** |
|  |  |  |  | **(a)** | **(b)** | **( c)** | **(d)** | **(e)** |
| 502 |  | Butt hinges 125x 70x4 mm | 10Nos | 3400 | 3650 | 450 | 515 | 1220 |
| 503 |  | 100 x 70 x 4 mm | 10Nos | 2450 | 2650 | 350 | 410 | 1020 |
| 504 |  | 75 x 40 x 2,5 mm | 10Nos | 1230 | 1310 | 200 | 265 | 720 |
| 505 |  | 50 x 40 x 2.5 mm | 10Nos | 820 | 880 | 150 | 215 | 450 |
| 506 |  | Parliamentary hinges 150x125x27 | 10Nos | 10000 | 12950 | 750 | 810 | - |
| 507 |  | Parliamentary hinges 125x125x27 | 10Nos | 8350 | 8850 | 600 | 660 | - |
| 508 |  | Parliamentary hinges 100x125x27X5mm | 10Nos | 7250 | 7550 | 350 | 420 | - |
| 509 |  | 75x100x20x3.2 | 10Nos | 6000 | 6300 | 250 | 250 | - |
| 510 |  | Single acting spring hinges 150 | Each | 690 | 660 | 330 | 330 | - |
| 511 |  | 125 mm | Each | 575 | 625 | 300 | 300 | - |
| 512 |  | 100 mm | Each | 525 | 550 | 250 | 250 | - |
| 513 |  | double acting spring hinges 150 | Each | 950 | 1000 | 450 | 450 | - |
| 514 |  | 125 mm | Each | 800 | 850 | 400 | 400 | - |
| 515 |  | 100 mm | Each | 700 | 750 | 300 | 300 | - |
| 516 |  | Piano hinges 1mm thick 25 mm wide( nickel plated) | Each | 340 | 360 | 185 | 342 | - |
| 517 |  | Piano hinges 1mm thick 35 mm wide( brass plated) | Each | 1650 | 1850 | 360 | 422 | - |
| 518 |  | Tee Hinges 300 x 115 x 2.24 | Each | - | - | 75 | 85 | - |
| 519 |  | Tee Hinges 250 x 100 x 2.25 | Each | - | - | 65 | 75 | - |
| 520 |  | Rising hinges(left/right) 150 mm | Each | 360 | 360 | - | - | - |
| 521 |  | 125 mm | Each | 260 | 260 | - | - | - |
| 522 |  | 100 mm | Each | 220 | 220 | 196 | - | - |
| 523 |  | Sliding door bolts 300 x 16 mm | Each | 1502 | 1072 | 294 | 357 | 275 |
| 524 |  | 250 x 16 mm | Each | 1251 | 893 | 235 | 298 | 160 |
| 525 |  | 100 x 16 mm | Each | 500 | 580 | 175 | 238 | 90 |
| 526 |  | Tower bolts ( barrel type) 300 x 10 | Each | 675 | 724 | 130 | - | 180 |
| 527 |  | Tower bolts ( barrel type) 250 x 10 | Each | 475 | 500 | 124 | 188 | 150 |
| 528 |  | 200 x 10 mm | Each | 375 | 400 | 75 | 85 | 120 |
| 529 |  | 150 x 10 mm | Each | 285 | 300 | 51 | 75 | 90 |
| 530 |  | 100 x 10 mm | Each | 210 | 230 | 38 | 150 | 60 |
| 531 |  | 75 x 10 mm | Each | 150 | 165 | 30 | 55.00 | 45 |
| 532 |  | Flush bolts 250 mm | Each | 432 | 458 | - | - | - |
| 533 |  | 150 mm | Each | 280 | 280 | - | - | - |
| 534 |  | 100 mm | Each | 215 | 215 | - | - | - |
| 535 |  | Handles 125 mm | Each | 137 | 152 | 110 | 188 | 175 |
| 536 |  | 100 mm | Each | 102 | 122 | 95 | 158 | 110 |
| 537 |  | 75mm | Each | 80 | 95 | 70 | 132 | 100 |
| 538 |  | Door latch300 x 16 x 5 mm | Each | 1450 | 1550 | 188 | 298 | 125 |
| 539 |  | 250 x 16 x 5 mm | Each | 1350 | 1316 | 195 | 256 | 105 |
| 540 |  | 100 mm mortice latch and lock | Each | 2100 | 2190 | 780 | - | - |
| 541 |  | 100 mm rim latch and lock | Each | 1800 | 2190 | 950 | - | - |
| 542 |  | 100 mm floor door stopper | Each | 325 | 325 | 95 | - | 90.00 |
| 543 |  | Brass cupboard wardrobe Knob | Each | 242 | 292 | 225 | - | 75 |
| 544 |  | Hard drawn hooks & eyes 300 mm | 10Nos | 1800 | 1950 | 220.00 | 375 | - |
| 545 |  | 250 mm | 10Nos | 1720 | 1850 | 190 | 312 | - |
| 546 |  | 200 mm | 10Nos | 1640 | 1750 | 150 | 276 | - |
| 547 |  | 150 mm | 10Nos | 1500.00 | 1600.00 | 126.00 | 248.00 | 64.00 |
| 548 |  | 100 mm | 10Nos | 1420.00 | 1500.00 | 75.00 | 200.00 | 140.00 |
| 549 |  | Quadrant stays 300 mm | Each | 320 | - | 250 | - | 117.00 |
| 550 |  | Fan light clamp | 10Nos | 500 | - | - | - | - |
| 551 |  | Chain with lock for fan light clamp | 10Nos | 175 | - | 32.00 | 74.00 | - |
| 552 |  | Hasps & staples 150 mm | 10Nos | 1296 | 600 | 150.00 | 214 | 75 |
| 553 |  | 115 mm | 10Nos | 923 | 500 | 124 | 188 | 64 |
| 554 |  | 90 mm | 10Nos | 861 | 450 | 112 | 175 |  |
| 555 |  | Cupboard lock (six levers) Indian make | Each | 380 | 380 | 200 | - | - |
| 556 |  | Ball catcher 10 mm diameter | Each | 30 | - | - | - | - |
| 557 |  | Helical spring (Indian make) | Each | 660 | - | 225 | 290 | - |
| 558 |  | Cupboard Knob or wardrobe knob | Each | 103 | 175 | - | 42.00 | 35 |
| 559 |  | Screws 50 mm | 100Nos | 95 | 356.00 | 166 | 208.00 | - |
| 560 |  | 40 mm | 100Nos | 90 | 140 | 35 | 175 | - |
| 561 |  | 35 mm | 100Nos | 70 | 216 | 25 | 166 | - |
| 562 |  | 25 mm | 100Nos | 50 | 176 | 20 | 146 | 83.00 |
| 563 |  | 20 mm | 100Nos | 45 | 117 | 83 | 125 | - |
| 564 |  | Hydraulic door closer | Each | 1740 | - | 1050 |  | 1813 |
| 565 |  | Flat latch 300 mm | Each | 700 | 750 | - | - | 200 |
| 566 |  | 200 mm | Each | 520 | 590 | - | - | 167 |
| 567 |  | Kicking plate 50 cms long 100 x 3.15 mm | Each | - | - | 120 | - | 126 |
| 568 |  | Curtain rod 12 mm dia 1.25 mm thick | Metre | 260 | - | 250 | - | 210 |
| 569 |  | Brackets | Each | 180 | 210 | 176 | - | 176 |
| 570 |  | Window stays 300 mm mortice line with 5 adjustments | Each | 175 | 200 | 90 | - | 217 |
| 571 |  | Window stays 250 mm mortice line with 4 adjustments | Each | 150 | 175 | 80 | - | 200 |
| 572 |  | Window stays 200 mm mortice line with 3 adjustments | Each | 125 | 140 | 70 | - | 170 |
| 573 |  | Mortice lock lever type without lock | Each | 1750 | 1840 | 1650 | 1750 | 382 |
| 574 |  | Mortice lock Knob type without lock | Each | 965 | 2640 | 1650 | 1750 | 346 |
| 575 |  | Ventillator 75 mm | Each | - | - | - | - | 360 |
| 576 |  | Pivot hinge 62 mm | Each | 170 | 195 | - | - | 299 |
| 577 |  | Finger push plate 87 x 225 mm | Each | - | 1500 | - | - | 498 |
| 578 |  | Finger push plate 75 x 150 mm | Each | - | 1300 | - | - | 462 |

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| 579 |  | M.S door latch ( a ) 300 x 20 x 6 mm | Each | 56.00 |
| 580 |  | M.S door latch ( b ) 250 x 20 x 6 mm | Each | 38.00 |
| 581 |  | CONCRESIVE 1414of BASF make or equivalent, a two component, solvent less epoxy resin based. | pack of 1 kg | 848.00 |
| 582 |  | Acrylic bonding agent RHEOMIX 131 of BASF make | pack of 20 kg | 7311.00 |
| 583 |  | Masterseal 300H of BASF make or equivalent which is single component, high performance, acrylic resin based coating | pack of 25 kg | 10635.00 |
| 584 |  | MASTERSEAL SP120, a 100% solids, solvent free, tough abrasion resistant protective coating. | pack of 20 kg | 12765.00 |
| 585 |  | Protectosil CIT of BASF make or equivalent penetrating deeply into concrete and providing organofunctional molecules to inhibit the electrochemical corrosion process between the rebar and the chloride ions, oxygen and moisture. | pack of 205 litres | 843815.00 |
| 586 |  | Protectosil BHN of BASF make or equivalent which is solvent free liquid based on a monomeric alkylalkoxysilane. | pack of 200 litres | 665210.00 |
| 587 |  | Concressive 1315 of 'BASF' make or equivalent which is two-component epoxy injection resin, low viscosity resin system having viscosity less than 350 cps at ambient temperatures | pack of 4.32kg | 4061.00 |
| 588 |  | Masterflow 400 of 'BASF' make or equivalent which is rapid-curing, high flow, filler-extended epoxy resin grout | pack of 20 kg | 4415.00 |
| 589 |  | Masterflow 928T of BASF make or equivalent approved which is dual shrinkage-compensated, cementitious grout shall be hydraulic-cement based free-flow, high strength grout that complies with ASTM C1107 | pack of 25 kg | 1334.00 |
| 590 |  | Masterflow 935 of 'BASF' make or equivalent which is a two-component, thixotropic, pure epoxy resin based chemical anchoring mortar. | pack of 1Litre | 6338.00 |
| 591 |  | EMACO S66 T of BASF make or equivalent which is duel shrinkage-compensated, cementitious micro-concrete, high strength, high flow, single component cementitious formulation. | pack of 25 kg | 1154.00 |
| 592 |  | Emaco S88 CT of BASF make or equivalent which is duel shrinkage - compensated, cementitious patch repair mortar, high strength single component mortar modified with fibres | pack of 25 kg | 1478.00 |
| 593 |  | Thorostructurite primer of BASF make or equivalent which is anti-corrosion primer for steel reinforcement shall be a single component polymer- modified, cement-based compound | pack of 5 kg | 681.00 |
| 594 | a | Mbrace glass fiber ( Mbrace G sheet EU 900 @900 GSM(Glass Fibre Unidirectional) | Sq.m | 3803.00 |
| b | Mbrace carbon fiber ( MBrace CF 240/200 - Unidirectional Carbon Fiber Reinforcement System High Tensile CF) or equivalent | Sq.m | 6054.00 |
| c | Mbrace carbon fiber ( MBrace CF 240/400 - Unidirectional Carbon Fiber Reinforcement System High Tensile CF) or equivalent | Sq.m | 7005.00 |
| 595 |  | Mbrace carbon laminate grade 165/2500 -50x1.4 | Metre | 3999.00 |
| 596 |  | Coniroof 2111 system | Sq.m | 2534.00 |
| 597 |  | Masterseal 550EL of BASF make or equivalent elastomeric flexible, two component polymers modified cementitious composite system | pack of 20 kg | 2663.00 |
| 598 |  | Masterpren BG of BASF make or equivalent which is a synthetic membrane made of plasticised PVC of fire resistant manufactured by twin coloured co-extrusion method | 20 m X 2.1m | 38692.00 |
| 599 |  | Masterpren TPE of BASF make or equivalent which is modified polyolefin, in two-colour version (sand grey/black), obtained by co-extrusion. | 25m X 2.1m | 58304.00 |
| 600 |  | Sonoshield HLM 5000 of BASF make or equivalent one-component, moisture-curing, bitumen-modified polyurethane elastomeric waterproofing membrane | pack of 22.50 kg | 12231.00 |
| 601 | a | Feovert-Krishna Conchem Products Pvt Ltd make or equivalent | Litre | 239.00 |
| b | IPNet-RB-Krishna Conchem Products Pvt Ltd or equivalent | Litre | 689.00 |
| c | EPCO-KP100-Krishna Conchem Products Pvt Ltd or equivalent | Litre | 447.00 |
| d | Epibond-Krishna Conchem Products Pvt Ltd or equivalent | Kg | 747.00 |
| e | Monobond-Krishna Conchem Products Pvt Ltd or equivalent | Kg | 446.00 |
| 602 |  | Supercon-100-Krishna Conchem Products Pvt Ltd or equivalent | Kg | 168.00 |
| 603 |  | Monopol 456-Krishna Conchem Products Pvt Ltd or equivalent | Litre | 663.00 |
| 604 |  | Monopol 456 HB-Krishna Conchem Products Pvt Ltd or equivalent | Litre | 512.00 |
| 605 |  | Waterseal -Krishna Conchem Products Pvt Ltd make or equivalent | Litre | 869.00 |
| 606 |  | Corroseal TE 321-Krishna Conchem Products Pvt Ltd or equivalent | Litre | 387.00 |
| 607 |  | EPCO 2020 TX-Krishna Conchem Products Pvt Ltd or equivalent | Litre | 410.00 |
| 608 |  | Alccofine 1109SR | Kg | 72.00 |
| 609 |  | Concrete Additive Alccofine 1203 | Kg | 32.00 |
| 610 |  | **Ready mix concrete OPC** |  |  |
| a | M10 | cu.m | 6000.00 |
| b | M15 | cu.m | 6300.00 |
| c | M20 | cu.m | 6490.00 |
| d | M25 | cu.m | 6690.00 |
| e | M30 | cu.m | 7090.00 |
| f | M35 | cu.m | 7190.00 |
| g | M40 | cu.m | 7390.00 |
| 611 |  | **Ready mix concrete OPC/ Fly Ash** |  |  |
| a | M10 | cu.m | - |
| b | M15 | cu.m | - |
| c | M20 | cu.m | - |
| d | M25 | cu.m | - |
| e | M30 | cu.m | - |
| f | M35 | cu.m | - |
| g | M40 | cu.m | - |
| 612 |  | **Ready mix concrete OPC & GGBS** |  |  |
| a | M10 | cu.m | 5650.00 |
| b | M15 | cu.m | 5950.00 |
| c | M20 | cu.m | 6140.00 |
| d | M25 | cu.m | 6340.00 |
| e | M30 | cu.m | 6790.00 |
| f | M35 | cu.m | 6890.00 |
| g | M40 | cu.m | 7150.00 |
| 613 |  | **Ready mix concrete High Performance Concrete** |  |  |
| a | M10 | cu.m | 6250.00 |
| b | M15 | cu.m | 6550.00 |
| c | M20 | cu.m | 6740.00 |
| d | M25 | cu.m | 6940.00 |
| e | M30 | cu.m | 7340.00 |
| f | M35 | cu.m | 7550.00 |
| g | M40 | cu.m | 7750.00 |
| 614 |  | Curing Compound AC-CURE-R or equivalent | Kg. | 71.00 |
| 615 |  | **PRECAST CEMENT CONCRETE JALI** |  |  |
| a | (50 MM ) 2 x 0.75 m | Sq.m | 1240.00 |
| b | (40 MM) 1.25 x 0.60 m | Sq.m | 1200.00 |
| c | ( 25 MM ) 0.50 x 0.75 m | Sq.m | 1000.00 |
| 616 |  | Corrugated G I sheets (10'x 3') -26 | Each | 690.00 |
| 617 |  | Corrugated G I sheets (8'x 3') -26 | Each | 590.00 |
| 618 |  | Corrugated G I sheets (10'x 3')-24 G | Each | 844.00 |
| 619 |  | Corrugated G I sheets (8'x 3')24 | Each | 702.00 |
| 620 |  | Corrugated G I sheets (10'x 3')-22 G | Each | 1088.00 |
| 621 |  | Corrugated G I sheets (8'x 3')22 | Each | 1059.00 |
| 622 |  | Plain G.I sheets(8'x 4")24 - .63mm | quintal | 8849.00 |
| 623 |  | Plain G.I sheets(8'x 4")22G - .80mm | quintal | 8849.00 |
| 624 |  | Corrugated A.C sheet 7 mm | Sq.m | 756.00 |
| 625 |  | Corrugated A.C sheet 6 mm | Sq.m | 462.00 |
| 626 |  | Corrugated G I sheets -24 G | Sq.m | 302.00 |
| 627 |  | Corrugated G I sheets -26G | Sq.m | 208.00 |
| 628 |  | Semi corrugated sheets 6mm Thick | Sq.m | 164.00 |
| 629 |  | Colour coated Galvulium sheets (TATA Make) | Sq.m | 555.55 |
| 630 |  | A.C sheets 4 mm | Sq.m | 130.00 |
| 631 |  | G.I bolts& nuts above 300mm | Each | 40.00 |
| 632 |  | M.S flats upto 10 mm | tone | 65000.00 |
| 633 |  | A.C One piece angular ridge | Each | 125.00 |
| 634 |  | A.C Close fitting adj ridge | Each | 160.00 |
| 635 |  | Serrated or plain adj ridge | Each | 155.00 |
| 636 |  | A.C half round socketed gutter 150mm | Each | 359.00 |
| 637 |  | A.C half round socketed gutter 250mm | Each | 388.00 |
| 638 |  | A.C plain ended valley 100 mm | Metre | 398.00 |
| 639 |  | A.C plain ended valley gutter 125 mm | Metre | 434.00 |
| 640 |  | A.C plain ended valley gutter 150 mm | Metre | 558.00 |
| 641 |  | A.C plain ended valley gutter 200 mm | Metre | 750.00 |
| 642 |  | A.C plain ended valley gutter 250 mm | Metre | 456.00 |
| 643 |  | A.C angles | Metre | 36.00 |
| 644 |  | Unseratted adj hip | pair | 184.00 |
| 645 |  | North light adj ridge | pair | 190.00 |
| 646 |  | Apron flashing piece | Each | 96.00 |
| 647 |  | Eaves filler piece North light ventillater | Each | 76.00 |
| 648 |  | Expansion joint sheets | Each | 175.00 |
| 649 |  | Expansion joint ridges | pair | 90.00 |
| 650 |  | Expansion joint for north light curves | Each | 60.00 |
| 651 |  | Curved barge board | Each | 110.00 |
| 652 |  | Cowl type ventillater | Each | 145.00 |
| 653 |  | Ridge finals | Each | 70.00 |
| 654 |  | A.C louvers S type | Each | 85.00 |
| 655 |  | **A.C drop end for plain ended eaves or boundary wall gutter** |  |  |
| a | 300x150x225 with 75,150 | Each | 145.00 |
| b | 457x152x304 with 75,100,150 | Each | 164.00 |
| c | 508x152x254 with 75,100,150 outlet | Each | 180.00 |
| d | 900x200x300 with 75,100,150 outlet | Each | 185.00 |
| e | 500 x50x 250 with 75x100x150 drain | Each | 190.00 |
| 656 |  | **A.C drop end for plain ended valley wall gutter** |  |  |
| a | 406.4x 127x254mm with 75,100,150 outlet | Each | 126.00 |
| b | 609x152x 228mm withj 75,100,150 outlet | Each | 188.00 |
| c | 914x203x228 with 75,100,150 outlet | Each | 216.00 |
| d | 457x127x152 with 75,100,150 outlet | Each | 116.00 |
| 657 | a | A.C stop end 150 mm | Each | 12.00 |
| b | A.C stop end 200 mm | Each | 32.00 |
| c | A,C stop end 300 mm | Each | 43.00 |
| 658 |  | **A.C nozzle for plain ended eaves or boundary wall gutt** |  |  |
| a | 275 x 125 x 175 mm | Each | 84.00 |
| b | 304x152x228 | Each | 125.00 |
| c | 457x152 x 304 | Each | 132.00 |
| d | 508x152x254mm | Each | 156.00 |
| 659 |  | **A.C angles for socketed eaves or ornamental** |  |  |
| a | 125 mm | Each | 36.00 |
| b | 150 mm | Each | 60.00 |
| c | 200 mm | Each | 118.00 |
| d | 250 mm | Each | 129.00 |
| e | 300 mm | Each | 145.00 |
| 660 |  | Grass poolas | 100 Nos | 108.00 |
| 661 |  | Bamboos | Each | 80.00 |
| 662 |  | Mangalore roof tiles ( 1 st class ) | 1000 Nos | 19200.00 |
| 663 |  | Mangalore roof tiles ( 2 nd class ) | 1000 Nos | 16800.00 |
| 664 |  | Ridge tiles(Mangalore) | Each | 60.00 |
| 665 |  | Ceiling tiles 0.6 x0.6 m | Each | 223.00 |
| 666 |  | Design board 4 mm | sq.m | 140.00 |
| 667 |  | Natural colour insulating board 12 mm | sq.m | 432.00 |
| 668 |  | Natural colour insulating board 18 mm | sq.m | 504.00 |
| 669 |  | White faced insulating board 12 mm | sq.m | 372.00 |
| 670 |  | White faced insulating board 18 mm | sq.m | 466.00 |
| 671 |  | Plain particle board( ceiling tiles) | sq.m | 168.00 |
| 672 |  | Half random perforated board | sq.m | 196.00 |
| 673 |  | Full random perforated board | sq.m | 223.00 |
| 674 |  | Flame retardent board | sq.m | 232.00 |
| 675 |  | Rabbit wire mesh | Kg | 100.00 |
| 676 |  | Plaster of Paris | Kg | 12.00 |
| 677 |  | Hessian | sq.m | 41.00 |
| 678 |  | A.C plain ended valley gutter 609 x 152x22,8 | Per joint | 528.00 |
| 679 |  | Jointing with spun yarn soaked in bitumen | Each | 16.00 |
| 680 |  | A.C bend with door 50 mm | Each | 16.00 |
| 681 |  | A.C bend with door 80 mm | Each | 16.00 |
| 682 |  | A.C bend with door 100 mm | Each | 20.00 |
| 683 |  | Junction without door (single) | Each | 46.00 |
| 684 |  | Commercial ply | Each | 190.00 |
| 685 |  | 75 mm Offset proj 50 mm | Each | 35.00 |
| 686 |  | 75 mm Offset proj80 mm | Each | 41.00 |
| 687 |  | 75 mm Offset proj 100 mm | Each | 56.00 |
| 688 |  | A.C single junction 50 mm without door | Each | 16.00 |
| 689 |  | A.C single junction 50 mm with door | Each | 16.00 |
| 690 |  | A.C single junction 80 mm without door | Each | 25.00 |
| 691 |  | A.C single junction 80 mm with door | Each | 25.00 |
| 692 |  | A.C single junction 100 mm without door | Each | 30.00 |
| 693 |  | A.C single junction 100 mm with door | Each | 36.00 |
| 694 |  | A.C roof lights | Each | 717.00 |
| 695 |  | G.I seam bolts & nuts 25 x 6 mm | 10 Nos | 36.00 |
| 696 |  | G.I plain sheets | quintal | 8136.00 |
| 697 |  | Steel bolts & nuts above 300 mm length | Kg | 211.86 |
| 698 |  | G.I plain sheets1. 6mm | quintal | 8849.00 |
| 699 |  | G.I plain washers | 100 nos | 102.00 |
| 700 |  | G.I washers | 100 nos | 102.00 |
| 701 |  | Northlight ventilator curves | Each | 164.00 |
| 702 |  | Flat iron brackets | Each | 50.00 |
| 703 |  | G.I bolts & nuts 8 mm dia and 25 mm long,round headed with slots | 10 nos | 25.00 |
| 704 |  | iron bracket 50 x 3mm | Each | 30.00 |
| 705 |  | boos & string | Cum | 145.00 |
| 706 |  | Straining bolts | Each | 36.00 |
| 707 |  | G.I bolts & nuts | Kg | 80.00 |
| 708 |  | Seam bolts & nuts | Kg | 46.00 |
| 709 |  | G.I limpet washer | 100Nos | 70.00 |
| 710 |  | Bitumen washer | 100Nos | 40.00 |
| 711 |  | J or L hooks | Kg | 143.00 |
| 712 |  | Plastic roofing compound | Kg | 56.00 |
| 713 | a | String, mug or ban |  | 24.00 |
|  | b | 6 mm aggregate | cu.m | 600.00 |
| 714 |  | C.I rainwater pipes 75 mm | Metre | 540.00 |
| 715 |  | C.I rainwater pipes 100 mm | Metre | 646.00 |
| 716 |  | C.I rainwater pipes 150 mm | Metre | 1172.00 |
| 717 |  | C.I plain bend 100 mm | Each | 116.00 |
| 718 |  | C.I plain bend 150 mm | Each | 136.00 |
| 719 |  | C.I plain shoe 100 mm | Each | 150.00 |
| 720 |  | C.I plain shoe 150 mm | Each | 349.00 |
| 721 |  | C.I plain branch 100 mm (single) | Each | 160.00 |
| 722 |  | C.I plain branch 150 mm (single) | Each | 314.00 |
| 723 |  | C.I plain branch 100 mm (double) | Each | 240.00 |
| 724 |  | C.I plain branch 150 mm (double) | Each | 498.00 |
| 725 |  | C.I bat clamps 75,80 mmm | Each | 46.00 |
| 726 |  | C.I bat clamps 100 mm | Each | 60.00 |
| 727 |  | C.I bat clamps 150 mm | Each | 76.00 |
| 728 |  | Spun yarn | kg | 152.00 |
| 729 |  | C.I Offset 100 mm | Each | 152.00 |
| 730 |  | Wire nails | kg | 80.00 |
| 731 |  | fibre based self finished bitumen | sq.m | 30.00 |
| 732 |  | G.I Plain Corrigated sheets (8x3) | Each | 377.00 |
| 733 |  | G.I Plain Corrigated sheets (10x3) | Each | - |
| 734 |  | **FINOLEX PVC Corrugated sheet** |  |  |
| a | 1.0mm x 1.045m | sq.m | 326.00 |
| b | 1.3mm x 1.045m | sq.m | 352.00 |
| c | 1.5mm x 1.045m | sq.m | 455.00 |
| d | 1.8mm x 1.054m | sq.m | 612.00 |
| e | 2.0mm x 1.054m | sq.m | 674.00 |

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| 735 | **PVC SWR PIPES AND FITTINGS FOR ROOFING** | | | | | | |
|  | DESCRIPTION | **75mm** | **110mm** | **140mm** | **180mm** | **250mm** |
|  |  | **(iv)** | **(v)** | **(i)** | **(ii)** | **(iii)** |
| a | joint bracket with 2 clamps | - | - | 206.00 | 245.00 | 246.00 |
| b | running outlet with 2 clamps | - | - | 285.00 | 365.00 | 323.00 |
| c | 90 deg elbow without outlet with 2 clamps | - | - | 316.00 | 410.00 | 491.00 |
| d | 91 deg elbow with outlet with 2 clamps | - | - | 316.00 | 410.00 | 491.00 |
| e | short stop end | - | - | 67.00 | 95.00 | 128.00 |
| f | stop end outlet with one clamp | - | - | 262.00 | 314.00 | 279.00 |
| g | support bracket | - | - | 51.00 | 89.00 | 90.00 |
| h | single socket elbow | 173.00 | 278.00 | - | - | - |
| i | clamps | - | - | 10.00 | 17.00 | 40.00 |
| j | pipe clip | 52.00 | 55.00 | - | - | - |
| k | rafter top/side brackets assembled | - | - | 46.00 | 65.00 | 83.00 |
| l | rubber gasket | - | - | 34.00 | 48.00 | 30.00 |
| m | rubber seals | 9.00 | 10.00 | - | - | - |
| n | roof water pipes | - | - | - | - | - |
| o | **half round pipes** | - | - | 208.00 | 254.00 | 230.00 |
| p | downline pipes | 175.00 | 322.00 | - | - | - |
| q | downline pipes | 146.00 | - | - | - | 73.00 |

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| **SN** |  | **Type** | **Size** | **Thk** | **Unit** | **Rate** |
| 736 |  | Ceramic |  |  | sq.m | 450.00 |
| 737 | a | Antiskid-dark | 12 x 12 & 16 x 16 |  | sq.m | 410.00 |
| b | light |  |  | sq.m | 375.00 |
| 738 | a | Rustics-dark | 380 x 380 |  | sq.m | 477.00 |
| b | light |  |  | sq.m | 636.00 |
| 739 | a | Marbonite-dark | 2 x 2 |  | sq.m | 559.00 |
| 740 | b | light | 2 x 2 |  | sq.m | 500.00 |
| c | dark | 3 x 3 |  | sq.m | 678.00 |
| d | light | 3 x 3 |  | sq.m | 661.00 |
| 741 | a | Scratch resistant-dark | 2 x 2 |  | sq.m | 730.00 |
| b | light |  |  | sq.m | 708.00 |
| 742 | a | Industrial Tiles-dark |  | 10 mm | sq.m | 685.00 |
| b | dark |  | 12 mm | sq.m | 835.00 |
| c | light |  | 10 mm | sq.m | 708.00 |
| d | light |  | 12 mm | sq.m | 930.00 |
| 743 |  | Tactile lines |  |  | sq.m | 440.00 |
| 744 |  | Tactile buttons |  |  | sq.m | 440.00 |
| 745 | a | Glazed wall tiles-200 x 300 |  |  | sq.m | 237.00 |
| b | 300 x 450 |  |  | sq.m | 320.00 |
| c | 300 x 600 |  |  | sq.m | 400.00 |

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| 746 |  | High polymer modified quickset tile adhesive. | Kg | 20.00 |
| 747 |  | M.S rollers | Kg | 117.00 |
| 748 |  | Pig lead | EACH | 83.00 |
| 749 |  | Single matting 1.2x1.2 | Kg | 101.00 |
| 750 |  | Bitumen hot sealing compound : grade A | Sq.m | 56.00 |
| 751 |  | Bitumen solution primer of approved quality | litre | 89.00 |
| 752 |  | Premoulded joint filler 25 mm thick | sq.m | 1004.00 |
| 753 |  | Stainless Steel tubular lever D-Type mortise handles with round nose, Pin cylinder 60mm with one side key and other side knob. | Each | 3220.00 |
| 754 |  | Block board construction flush door with teak wood ply veneer on Both faces 35 mm thick - decorative type | sq.m | 3146.00 |
| 755 |  | Block board construction flush door with teak wood ply veneer on Both faces 30 mm thick - decorative type | sq.m | 2891.00 |
| 756 |  | Block board construction flush door with teak wood ply veneer on one face 35 mm thick - semi-decorative type | sq.m | 1833.00 |
| 757 |  | Block board construction flush door with teak wood ply veneer on one face 30 mm thick - semi-decorative type | sq.m | 1833.00 |
| 758 |  | Block board construction flush door with commercial ply on both faces :35 mm thick - non-decorative type | sq.m | 1532.00 |
| 759 |  | Block board construction flush door with commercial ply on both faces :30 mm thick - non-decorative type | sq.m | 1404.00 |
| 760 |  | Galvanised steel plain sheets | quintal | 301.00 |
| 761 |  | PVC corner guard | Metre | 903.00 |
| 762 |  | Glass mossaic tiles (20 mm x 20 mm x 4 mm ). | sq.m | 1250.00 |
| 763 |  | Tile fixing chemical adhesive | kg | 18.00 |
| 764 |  | Cement Polymer Grout Compound | kg | 68.00 |
| 765 |  | Acid for cleaning tiles | litre | 31.00 |
| 766 |  | Carbon Steel galvanised dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade - a) 10 x 60mm | 10 Nos | 272.00 |
| 767 |  | Carbon Steel galvanised dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade - b)10 x 80mm | 10 Nos | 279.00 |
| 768 |  | Carbon Steel galvanised dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade - c) 10 x 120mm | 10 Nos | 365.00 |
| 769 |  | Carbon Steel galvanised dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade - d) 10 x 140mm | 10 Nos | 388.00 |
| 770 |  | Carbon Steel galvanised dash fastner (min 5 micron) of 10 mm dia double threaded 6.8 grade - e) 10 x 160mm | 10 Nos | 581.00 |
| 771 |  | Stainless steel (Grade-304)hollow section round/square tubes | kg | 295.00 |
| 772 |  | Stainless steel bolts/square bar and plates | kg | 288.00 |
| 773 |  | Stainless steel bolts/square bar and plates | kg | 288.00 |
| 774 |  | Mild steel tubes hot finished welded type | kg | 87.00 |
| 775 |  | Stainless Steel Cylindrical lock 60mm with pair of knob, keys etc. with necessary screws etc. | Each | 700.00 |
| 776 |  | Wall Hung type (European type) mounted water closet with seat & lid (Size 360x535x380) | Each | 6356.00 |
| 777 |  | white vitreous china flat back Large lipped front urinal basin (size 335x345x535mm) | Each | 4661.00 |
| 778 |  | Urinal Valve Auto closing system with built in control cock & wall flange | Each | 1549.00 |
| 779 |  | White Vetrious China Waterless Urinal | Each | 12963.00 |
| 780 |  | Cistern with fittings for Waterless Urinal | Each | 1441.00 |
| 781 |  | White Vetrious Urinal with Sensor Flushing Valve with complete Kit.(battery based infrared sensor operated - 485x310x710mm) | Each | 13559.00 |
| 782 |  | Stainless steel kitchen sink with drain board. Overall Size 1040mmx510mm(41"x20"), bowl size460mmx410mmx215mm(18"x 16"x 8 1/2") Glossy. | Each | 7510.00 |
| 783 |  | Stainless steel kitchen sink without drain board. Overall Size 610mmx510mm(24"x20"), bowl size545mmx445mmx200mm(211/2"x 17 1/2"x 8") Glossy. | Each | 5580.00 |
| 784 |  | Stainless steel kitchen sink without drain board. Overallsize 610mmx460mm(24"x18") bowl size560mmx410mmx215mm(22"x16"x81/2") Glossy. | Each | 5490.00 |
| 785 |  | Stainless steel kitchen sink without drain board. Overall size 535mmx460mm(21"x18"), Bowl size 460x380x200mm (18'x15"x8") Glossy | Each | 4630.00 |
| 786 |  | High pressure decorative Laminates (glossy/matt) | sqm | 430.00 |
| 787 |  | Melamine polish - Glossy | litre | 360.00 |
| 788 |  | Melamine polish - Matt | litre | 425.00 |
| 789 |  | Glass wool insulation | sq.m | 419.00 |
| 790 |  | Double action hydraulic floor spring with stainless steel cover plate, door weight upto 120kg/125 kg/150kg. | Each | 7850.00 |
| 791 |  | HEALTH FAUCET with 8mm dia 1.2m long flexible tube & wall Hook | Each | 1377.00 |
| 792 |  | 2 Way Bib Cock with single knob and wall flange | Each | 1462.00 |
| 793 |  | Handrail cum crash guard | Metre | 1648.00 |
| 794 |  | Stainless steel kitchen sink without drain board. Overall Size 610mmx510mm(24"x20"), bowl size545mmx445mmx200mm(211/2"x 17 1/2"x 8") Glossy. | sq.m | 5580.00 |
| 795 |  | Stainless steel kitchen sink without drain board. Overallsize 610mmx460mm(24"x18") bowl size560mmx410mmx215mm(22"x16"x81/2") Glossy. | sq.m | 5490.00 |
| 796 |  | Stainless steel kitchen sink without drain board. Overall size 535mmx460mm(21"x18"), Bowl size 460x380x200mm (18'x15"x8") Glossy | sq.m | 4630.00 |
| 797 |  | PTMT Angle Stop cock with Flange 15mm | Each | 477.00 |
| 798 |  | PTMT Urinal Spreader 15MM | Each | 598.00 |
| 799 |  | Water repallent chemical approved by ASI | Litre | 259.00 |
| 800 |  | C.P. Bib cock long body with wall flange | Each | 1050.00 |
| 801 |  | C.P. pillar cock long body with wall flange | Each | 1065.00 |
| 802 |  | Stainless steel screws 40 mm | 100 Nos | 300.00 |
| 803 |  | Stainless steel butt hinges (heavy weight) 100x60x2.5 mm | 10 Nos | 750.00 |
| 804 |  | GI Metal Tile Clip in Plain Beveled edge global white colour tiles of size 600x600 mm and | sq.m | 1357.00 |
| 805 |  | SCH - 40(Blue)/(white) - 20mm outer dia. | Metre | 114.00 |
|  | SCH - 40(Blue)/(white) - 25mm outer dia. | Metre | 167.00 |
|  | SCH - 40(Blue)/(white) - 32mm outer dia. | Metre | 225.00 |
|  | SCH - 40(Blue)/(white) - 40mm outer dia. | Metre | 267.00 |
|  | SCH - 40(Blue)/(white) - 50mm outer dia. | Metre | 360.00 |
|  | SCH - 40(Blue)/(white) - 63mm outer dia. | Metre | 552.00 |
|  | SCH - 40(Blue)/(white) - 75mm outer dia. | Metre | 740.00 |
|  | SCH - 40(Blue)/(white) - 90mm outer dia. | Metre | 899.00 |
|  | SCH - 40(Blue)/(white) - 110mm outer dia. | Metre | 1057.00 |
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| 806 |  | SCH - 80(Blue)/(white) - 20mm outer dia. | Metre | 145.00 |
|  | SCH - 80(Blue)/(white) - 25mm outer dia. | Metre | 215.00 |
|  | SCH - 80(Blue)/(white) - 32mm outer dia. | Metre | 292.00 |
|  | SCH - 80(Blue)/(white) - 40mm outer dia. | Metre | 355.00 |
|  | SCH - 80(Blue)/(white) - 50mm outer dia. | Metre | 491.00 |
|  | SCH - 80(Blue)/(white) - 63mm outer dia. | Metre | 750.00 |
|  | SCH - 80(Blue)/(white) - 75mm outer dia. | Metre | 1000.00 |
|  | SCH - 80(Blue)/(white) - 90mm outer dia. | Metre | 1210.00 |
|  | SCH - 80(Blue)/(white) - 110mm outer dia. | Metre | 1407.00 |
| 807 |  | Antiskid tape | Metre | 61.00 |
| 808 |  | Autoclaved aerated cement (AAC) blocks - size 600x200x100mm/625x240x100mm/ 625x250x 100mm | cum | 4000.00 |
| 809 |  | Autoclaved aerated cement (AAC) blocks - size 600x200x150mm/ 625x240x150mm/ 625x250x150mm | cum | 4000.00 |
| 810 |  | Autoclaved aerated cement (AAC) blocks - size 600x200x200mm/ 625x240x200mm/ 625x250x200mm | cum | 4000.00 |
| 811 |  | Autoclaved aerated cement (AAC) blocks - size 600x200x230mm/ 625x240x230mm/ 625x250x230mm | cum | 4000.00 |
| 812 |  | Flamed finish Granite stone 18mm thick Jet Black | sq.m | 1883.00 |
| 813 |  | Flamed finish Granite stone 18mm thick Cherry Red | sq.m | 1291.00 |
| 814 |  | Flamed finish Granite stone 18mm thick Elite Brown | sq.m | 1291.00 |
| 815 |  | Flamed finish Granite stone 18mm thick Cat Eye | sq.m | 1937.00 |
| 816 |  | Jaisalmer Stone flooring | sq.m | 1237.00 |
| 817 |  | Mirror finish Granite stone 18mm thick Jet Black | sq.m | 1883.00 |
| 818 |  | Mirror finish Granite stone 18mm thick Cherry Red | sq.m | 1291.00 |
| 819 |  | Mirror finish Granite stone 18mm thick Elite Brown | sq.m | 1291.00 |
| 820 |  | Mirror finish Granite stone 18mm thick Cat Eye | sq.m | 1937.00 |
| 821 |  | Interlocking Shot Blasted Cement Concrete paver block ( 60 mm thick, M-35) Colour | sq.m | 735.00 |
| 822 |  | Interlocking Shot Blasted Cement Concrete paver block ( 60 mm thick, M-35 ) Grey | sq.m | 685.00 |
| 823 |  | Interlocking Shot Blasted Cement Concrete paver block ( 80 mm thick, M-40 ) Colour | sq.m | 815.00 |
| 824 |  | Interlocking Shot Blasted Cement Concrete paver block ( 80 mm thick, M-40 ) Grey | sq.m | 765.00 |
| 825 |  | Chamfered edge Cement Concrete paver block (60 mm thick, M-35) Grey | sq.m | 685.00 |
| 826 |  | Chamfered edge Cement Concrete paver block (60 mm thick, M-35) Red/black | sq.m | 735.00 |
| 827 |  | Chamfered edge Cement Concrete paver block (60 mm thick, M-35) Yellow/ Orange/ Earth | sq.m | 735.00 |
| 828 |  | Chamfered edge Cement Concrete paver block ( 80 mm thick, M-40 ) Grey | sq.m | 765.00 |
| 829 |  | Chamfered edge Cement Concrete paver block (80 mm thick, M-40) Red/black | sq.m | 815.00 |
| 830 |  | Chamfered edge Cement Concrete paver block (80 mm thick, M-40) Yellow/ Orange/ Earth | sq.m | 815.00 |
| 831 |  | Toughened glass 12 mm thickness | sq.m | 2518.00 |
| 832 |  | Toughened glass 10 mm thickness | sq.m | 2195.00 |
| 833 |  | Stainless steel D type handles with necessary screws etc complete a)L 300mm/325mm x 22 to 25mm dia | Each | 1128.00 |
| 834 |  | 120 gsm plastic film/sheet | Sq.m | 47.00 |
| 835 |  | Co-efficeint for L.S. items (149/100) | L.S. | 2.00 |
| 836 |  | Single Colour Foam Core FRP (Fiber Reinforced Polymer) Door Shutter including accessories. |  |  |
| a | Shutter Thickness : a) 30mm | sq.m | 2472.00 |
| b | Shutter Thickness : b) 35mm | sq.m | 2795.00 |
| c | Shutter Thickness : c) 40mm | sq.m | 3122.00 |
| 837 |  | Wood Finish Foam Core FRP (Fiber Reinforced Polymer) Door Shutter including accessories. |  |  |
| a | Shutter Thickness : a) 30mm | sq.m | 3066.00 |
| b | Shutter Thickness : b) 35mm | sq.m | 3339.00 |
| c | Shutter Thickness : c) 40mm | sq.m | 3712.00 |
| 838 |  | Standard Wood Core FRP (Fiber Reinforced Polymer) Door Shutter with Single Colour including accessories. |  |  |
| a | Shutter Thickness : a) 32mm | sq.m | 3174.00 |
| b | Shutter Thickness : b) 35mm | sq.m | 3443.00 |
| c | Shutter Thickness : c) 40mm | sq.m | 3744.00 |
| 839 |  | Wood Finish Wood Core FRP (Fiber Reinforced Polymer) Door Shutter including accessories. |  |  |
| a | Shutter Thickness : a) 32mm | sq.m | 3819.00 |
| b | Shutter Thickness : b) 35mm | sq.m | 4035.00 |
| c | Shutter Thickness : c) 40mm | sq.m | 4304.00 |
| 840 |  | FRP (Fiber Reinforced Polymer) Frames including accessories. |  |  |
| a | Specified Cross Section : a) 3” x 2” | Metre | 437.00 |
| b | Specified Cross Section : b) 4” x 2” | Metre | 630.00 |
| c | Specified Cross Section : c) 4” x 2 ½" | Metre | 512.00 |
| d | Specified Cross Section : d) 5” x 2 ½” | Metre | 670.00 |
| 841 |  | FRP (Fiber Reinforced Polymer) Frames with Wood Finish including accessories |  |  |
| a | Specified Cross Section : a) 3” x 2” | Metre | 507.00 |
| b | Specified Cross Section : b) 4” x 2” | Metre | 700.00 |
| c | Specified Cross Section : c) 4” x 2 ½ ” | Metre | 582.00 |
| d | Specified Cross Section : d) 5” x 2 ½” | Metre | 700.00 |
| 842 |  | UPVC Only Door Frame Including Accessories | Metre | 406.00 |
| 843 |  | UPVC 20 Mm Door Shutter Including Accessories | sq.m | 1668.00 |
| 844 |  | UPVC 32 Mm Door Shutter Including Accessories | sq.m | 2582.00 |
| 845 |  | UPVC Turn windows Including Accessories | sq.m | 8000.00 |
| 846 |  | UPVC Three Track Sliding Windows Including Accessories | sq.m | 6112.00 |
| 847 |  | UPVC Two Track Sliding Window (Economical) Including Accessories | sq.m | 5251.00 |
| 848 |  | UPVC Two Track Sliding Window (Heavy) Including Accessories | sq.m | 6284.00 |
| 849 |  | UPVC Partition Including Accessories | sq.m | 4735.00 |
| 850 |  | UPVC Porta Cabins Including Accessories | sq.m | 2207.00 |
| 851 |  | UPVC False Ceiling Including Accessories | sq.m | 1940.00 |
| 852 |  | 0.5mm thick coloured galvalume trapezoidal profile sheets (JSW or Equivalent) | sq.m | 420.00 |
| 853 |  | 0.45mm thick coloured galvalume trapezoidal profile sheets (JSW or Equivalent) | sq.m | 390.00 |
| 854 |  | Flashings -[Corners, Ridges, valleys, gable end & Trims] (Girth **upto** 610mm) (JSW or Equivalent) | Metre | 348.00 |
| 855 |  | Flashings -[Corners, Ridges, valleys, gable end & Trims] (Girth **above** 610mm) (JSW or Equivalent) | Metre | 660.00 |
| 856 |  | Double unequal plain junction of required degree complete |  |  |
| a | 75 mm x 75 x 50 x 50mm dia | Each | 171.00 |
| b | 100mm x 100mm x 50 mm x 50 mm dia | Each | 220.00 |
| c | 100mm x 100mm x 75 mm x 75 mm dia | Each | 312.00 |
| d | 150mm x 150mm x 100 mm x 100 mm dia | Each | 581.00 |
| 857 |  | Double unequal junction of required degree with access door insertion rubber washer 3 mm thick bolts & nuts complete |  |  |
| b | 100mm x 100mm x 50 mm x 50 mm dia | Each | 752.00 |
| c | 100mm x 100mm x 75 mm x75 mm dia | Each | 1069.00 |
| d | 150mm x 150mm x 100 mm x 100 mm dia | Each | 1737.00 |
| 858 |  | Fancy Pillar Cock with lift type operating Knob & Base flang Jaguar make or equivalent. a) 15mm nominal bore | Each | 1200.00 |
| 859 |  | Fancy BIB Cock Short Body Jaguar make or equivalent. a) 15mm nominal bore | Each | 1000.00 |
| 860 |  | Fancy LONG BODY BIB Cock WITH WALL FLANGE Jaguar make or equivalent. a) 15mm nominal bore | Each | 1300.00 |
| 861 |  | Fancy TWO WAY LONG BODY BIB Cock WITH WALL FLANGE Jaguar make or equivalent. a) 15mm nominal bore | Each | 1165.00 |
| 862 |  | Fancy CONCEALED STOP COCK WITH SHEET FLANCE 20MM Jaguar make or equivalent. | Each | 1292.00 |
| 863 |  | Fancy CONCEALED STOP COCK WITH SLINDING FLANGE 15MM Jaguar make or equivalent. | Each | 1165.00 |
| 864 |  | Fancy wall mixer with 115mm long bend pipe for connection to over head shower Jaguar make or equivalent. | Each | 4500.00 |
| 865 |  | Fancy wall mixer with 3 IN 1 SYSTEM WITH 115MM long bend pipe for connection to over head shower Jaguar make or equivalent. | Each | 5212.00 |
| 866 |  | Fancy wall mixer NON TELEPHONIC SHOWER SYSTEM Jaguar make or equivalent. | Each | 3500.00 |
| 867 |  | FANCY SINK MIXER WITH J SHAPE SWINGING CASTED SPOUT Jaguar make or equivalent. | Each | 2924.00 |
| 868 |  | Fancy TELEPHONIC SHOWER 1.5M FLEXIBLE TUBE WITH SWINGING WALL HOOK Jaguar make or equivalent. | Each | 2000.00 |
| 869 |  | Fancy BOTTLE TRAP ECONOMY TYPE 32MM Jaguar make or equivalent. | Each | 1081.00 |
| 870 |  | Fancy WASTE COUPLING 32MM WITH 190MM LONG CONNECTION PIPE WALL FLANCE Jaguar make or equivalent. | Each | 381.00 |
| 871 |  | Single Towel Rail - Jaquar make |  |  |
| a | 300mm long | Each | 1208.00 |
| b | 600mm long | Each | 1123.00 |
| 872 |  | Soap Dish Holder - Jaquar make (ACN-1131N) | Each | 500.00 |
| 873 |  | Soap Dispenser with Glass Bottle - Jaquar make (ACN-1135N) | Each | 1144.00 |
| 874 |  | Tumbler Holder - Jaquar make (ACN-1153N) | Each | 1038.00 |
| 875 |  | Toilet Roll Holder with Flap - Jaquar make (ACN-1153N) | Each | 1038.00 |
| 876 |  | Coat Hook - Jaquar make |  |  |
| a | CAN-1161N | Each | 466.00 |
| b | CAN-1191N | Each | 475.00 |
| 877 |  | Towel Rack 600mm long with Lower Hangers - Jaquar make (CAN-1181N) | Each | 2669.00 |
| 878 |  | Hand Shower(Health Faucet) with 8mm dia 1.20mt. Long Flexible Tube with Wall Hook - Jaquar make (ALD CHR-565) | Each | 1377.00 |
| 879 |  | Wall Hung Cistern with installation kit - Jaquar make (WHC-WHT-184) | Each | 1398.00 |
| 880 |  | Slim Concealed Cistern with Floor mounting frame - Jaquar make (CIB-WHT-31801011XFP) | Each | 9364.00 |
| 881 |  | Flushing Plate - Jaquar make - Controlled Plate Square All Chrome |  |  |
| a | CIS-CHR 31207219 | Each | 2646.00 |
| b | CIS-CHR 31181810X | Each | 1186.00 |
| 882 |  | Metropole Flush Valves Dual 3/6 litres - Jaquar make (FLV-10855Q) | Each | 3941.00 |
| 883 |  | Wall Hung WC with 360 X 535 X 380 Seat Cover - Jaquar Make |  |  |
| a | CNS-WHT-959NS | Each | 5627.00 |
| b | CNS-WHT-959NN | Each | 6653.00 |
| 884 |  | Floor mounted WC 350 X 480 X 390 - Jaquar make |  |  |
| a | CNS-WHT-553SN | Each | 2873.00 |
| b | CNS-WHT-553SS | Each | 3212.00 |
| 885 |  | Orissa Pan/ Indian Type WC Pan - Size 580 X 445 X 260 - Jaquar make (CNS-WHT-451) | Each | 1860.00 |
| 886 |  | Urinal - Size 355 X 345 X 535 - Jaquar make (URS-WHT-13261) | Each | 3475.00 |
| 887 |  | Urinal with fixing accessories set - Size 375 X 315 X 620 - Jaquar make (URS-WHT-13253 | Each | 6610.00 |
| 888 |  | Wash Basin - Under Counter Basin - Size 370 X 480 X 200 (CNS-WHT-701) | Each | 1907.00 |
| 889 |  | Wall Hung Basin with provision of Pedestal - Size 400 X 550 X 200 - Jaquar make |  |  |
| 890 | a | CNS-WHT-801 | Each | 2331.00 |
| b | Pedestal - CNS-WHT-301 | Each | 1504.00 |
| 891 |  | Wall Hung Basin - Size 575 X 475 X 195 - Jaquar make (OPS-WHT-15801) | Each | 3835.00 |
| 892 |  | Wall Mixer with provision for Overhead Shower with 115mm long bend pipe - Jaquar make |  |  |
| a | Florentine (FLR-5273UPR) | Each | 5339.00 |
| b | Queen's (QQT-7273UPR) | Each | 6017.00 |
| 893 |  | Wall mixer 3 in 1 system with provision of both Hand Shower & Overhead Shower complete - Jaquar make |  |  |
| a | Florentine (FLR-5281N) | Each | 5453.00 |
| b | Queen's (QQT-7281) | Each | 6483.00 |
| 894 |  | Pillar Cock - Jaquar make |  |  |
| a | Florentine (FLR-5011N) | Each | 1483.00 |
| b | Queen's (QQT-7011) | Each | 1928.00 |
| 895 |  | Basin Mixer - Jaquar make |  |  |
| a | Florentine (FLR-5167NB) | Each | 3390.00 |
| b | Queen's (QQT-7167B) | Each | 4788.00 |
| 896 |  | Two way Bib Cock with Wall Flange - Jaquar make |  |  |
| a | Florentine (FLR-5041N) | Each | 1843.00 |
| b | Queen's (QQT-7041) | Each | 2331.00 |
| 897 |  | Angular Stop Cock with wall Flangue - Jaquar make |  |  |
| a | Florentine (FLR-5053N) | Each | 1017.00 |
| b | Queen's (QQT-7053) | Each | 1462.00 |
| 898 |  | Flush Cock with Wall Flangue - Jaquar make |  |  |
| a | Florentine (FLR-5083NK) | Each | 487.00 |
| b | Queen's (QQT-7083K) | Each | 742.00 |
| 899 |  | Sink Mixer - Jaquar make |  |  |
| a | Florentine (FLR-5319NB) | Each | 3390.00 |
| b | Queen's (QQT-7319B) | Each | 4661.00 |
| 900 |  | Pressmatic - Jaquar make |  |  |
| a | Pillar Cock with Closing System (PRS-031) | Each | 1907.00 |
| b | Urinal Valve auto closing System (PRS-077) | Each | 1970.00 |
| 901 |  | Solid PVC door frame in plain colour Rajshri Plastiwood or equivalent including accessories | Metre | 360.00 |
| 902 |  | Solid PVC door frame in prelaminated colour Rajshri Plastiwood or equivalent including accessories | Metre | 424.00 |
| 903 |  | Solid panel PVC door shutter (Plain) of make Rajashri Plastiwood or euivalent including accessories | Sq.m | 2004.00 |
| 904 |  | Solid Panel PVC door shutter (Both side Prelaminated) of make Rajshri Plastiwood or equivalent including accessories | Sq.m | 3137.00 |
| 905 |  | Solid core PVC moulded door in plain colour of make Rajshri Plastiwood or equivalent including accessories | Sq.m | 3225.00 |
| 906 |  | Solid core PVC moulded door in prelaminated colour of make Rajshri Plastiwood or equivalent including accessories | Sq.m | 4818.00 |
| 907 |  | PVC false ceiling grid type of make Rajshri Plastiwood or equivalent including accessories | Sq.m | 1106.00 |
| 908 |  | PVC wall paneling of make Rajshri Plastiwood or equivalent including accessories | Sq.m | 1615.00 |
| 909 |  | PVC insulated wall paneling of make Rajshri Plastiwood or equivalent including accessories | Sq.m | 2166.00 |
| 910 |  | SOLID PVC WINDOW FRAME AND SHUTTER of make Rajshri Plastiwood or equivalent including accessories | Sq.m | 5849.00 |
| 911 |  | Aluminium composite panel cladding with 3mm/ 0.25mm thick ACP sheets, alluminium framework with 50 X 25 X 1.2MM thick sections, silicon sealents including accessories. | Sq. m | 3150.00 |
| 912 |  | Aluminium composite panel cladding with thick 4mm/ 0.25mm ACP sheets, alluminium framework with 50 X 25 X 1.2MM thick sections, silicon sealents including accessories. | Sq. m | 3874.00 |
| 913 |  | Resin roof tile 3 mm thick | Sq. m | 1116.00 |
| 914 |  | L angle ridge 1.00m | Each | 512.00 |
| 915 |  | FACTORY MADE PVC Flush DOOR SHUTTER prelength both side of make Rajshri Plastiwood or equivalent including accessories | Sq.m | 3346.00 |
| 916 |  | Alccofine 1109SR | Kg | 55.08 |
| 917 |  | White Cement based wall putty | Kg | 18.00 |
| 918 |  | Fusion Bonded Epoxy Coated TMT Steel bars Fe 500 Grade | tones | 85380.00 |
| 919 |  | PVC RUBBER MOULDED Interlocking Cement Concrete paver blocks ( 60 mm thick, M-35 grade) Colour | sq.m | 550.00 |
| 920 |  | PVC RUBBER MOULDED Interlocking Cement Concrete paver blocks ( 60 mm thick, M-35 grade ) Grey | sq.m | 500.00 |
| 921 |  | PVC RUBBER MOULDED Interlocking Cement Concrete paver blocks ( 80 mm thick, M-40 grade ) Colour | sq.m | 725.00 |
| 922 |  | PVC RUBBER MOULDED Interlocking Cement Concrete paver blocks ( 80 mm thick, M-40 grade ) Grey | sq.m | 675.00 |
| 922 |  | PVC RUBBER MOULDED Interlocking Cement Concrete paver blocks ( 80 mm thick, M-40 grade ) Grey | sq.m | 675.00 |
| 923 |  | Shot Blasted Cement Concrete Paving Slab(400X400X40mm) | sq.m | 685.00 |
| 924 |  | Chamfered edge Cement Concrete paver block (100 mm thick, M-50) Grey | sq.m | 1150.00 |
| 925 |  | Chamfered edge Cement Concrete paver block (100 mm thick, M-50) Colour | sq.m | 1200.00 |
| 926 |  | Alluminium colour coated roofing of approved make |  |  |
| a | PUF Insulated tile roof 30mm thick of trapezoidal design of approved make | Sq.m | 1809.98 |
| b | PUF Insulated tile roof 50mm thick of trapezoidal design of approved make | Sq.m | 2027.84 |
| c | PUF Insulated Porto tiles series 50mm thick of approved make | Sq.m | 2172.62 |
| d | Alluminium Barge Board of approved make | Rmt. | 680.00 |
| e | Alluminium Ridge of approved make | Rmt. | 680.00 |
| f | Alluminium Corner flashing/ Gutter Valley of approved make | Rmt. | 680.00 |
| g | Alluminium 30mm Trapezhoidal End Cap of approved make | Rmt. | 180.00 |
| h | Alluminium 50mm Trapezhoidal End Cap of approved make | Rmt. | 215.00 |
| i | Alluminium Tile Profile End Cap of approved make | Rmt. | 215.00 |
| 927 |  | Ready mix Plaster of Approved Make | Kg | 9.50 |
| 928 |  | Self Curing Plaster of ApprovedMake | Kg | 12.70 |
| 929 |  | Ready mix Plaster of Approved Make | Kg | 11.65 |
| 930 |  | Tile Adhesive xtra strong of Approved Make | Kg | 19.20 |
| 931 |  | Tile on Tile Adhesive of Approved Make | Kg | 23.40 |
| 932 |  | Waterproofing Liquid of Approved Make (Cement mix) | Litre | 103.00 |
| 933 |  | Waterproofing Liquid, Cement Coat of Approved Make | Litre | 261.00 |
| 934 |  | Brick joining mortar of Approve Make | Kg | 16.90 |

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| **CHAPTER II** | | | | |
| **MORTARS** | | | | |
|  | | | | |
| **Sr. No.** | **Description** | | **Units** | **Rate** |
|  | **LIME MORTAR** | |  |  |
| 1601 | Lime mortar (1 lime putty:1 fine sand) | | cu.m | 8790.00 |
| 1602 | Lime mortar (1 lime putty: 2 Surkhi) | | cu.m | 7019.00 |
|  | **CEMENT MORTAR** | |  |  |
| 1603 | Cement Mortar (1 Cement : 1 Fine Sand) | | cu.m | 8733.00 |
| 1604 | Cement Mortar(1Cement:2Fine Sand) | | cu.m | 6972.00 |
| 1605 | Cement Mortar (1Cement:3Fine Sand) | | cu.m | 6094.00 |
| 1606 | Cement Mortar (1Cement:4Fine Sand) | | cu.m | 5180.00 |
| 1607 | Cement Mortar (1Cement:5Fine Sand) | | cu.m | 4721.00 |
| 1608 | Cement Mortar (1Cement:6Fine Sand) | | cu.m | 4309.00 |
| 1609 | Mud mortar | | cu.m | 989.00 |
| 1610 | Lime surkhi mortar 1:1:1 (1 Lime putty:1 Surkhi:1Fine Sand) | | cu.m | 3280.00 |
| 1611 | White cement mortar 1:2 (1 White Cement:2Fine Sand) | | cu.m | 13699.00 |
|  |  |  |  |  |
| **Note:** | Sand mean river/manufacture sand | | |  |

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| **LABOUR** | | | | | |
| **Sr. No** |  |  | **Description** | **Unit** | **Rate** |
| 1701 | 1 | a) | (Semi-skilled) Bandhani, Mate, Mazdoor, Bhisti | Per day | Rs.460 |
|  |  | b) | (Unskilled) Chowkidar, Hedge cutter, Mali, | Per day | Rs.399 |
|  |  | c) | Mate Coolie (ord.), Sweeper, Helper, Beldar | Per day | Rs.399 |
|  |  | d) | Hardrock rock or stone cutting | Per day | Rs.515 |
|  |  | 1 | Stone cutter 1st class (skilled) | Per day | Rs.515 |
|  |  | 2 | Stone cutter 2nd class (semi-skilled),Chiseller, Hole Driller, breaker, Excavator | Per day | Rs.460 |
|  |  |  |  |  |  |
| 1702 | 2 |  | **Driver** |  |  |
|  |  | a) | For road rollers and heavy machinery | Per day | Rs.515 |
|  |  | b) | For truck | Per day | Rs.515 |
|  |  | c) | For light vehicles, jeep etc. | Per day | Rs.515 |
|  |  |  |  |  |  |
| 1703 | 3 |  | Cleaner: For truck, road roller etc. | Per day | Rs.399 |
|  |  |  |  |  |  |
| 1704 | 4 |  | **Operator** |  |  |
|  |  | a) | Pheumatic drill hammer | Per day | Rs.557 |
|  |  | b) | Concrete mixer, Asphalt boiler | Per day | Rs.515 |
|  |  | c) | Pump attendant, Bitumen sprayer | Per day | Rs.460 |
|  |  | d) | Laboratory attendant, specialised machine | Per day | Rs.460 |
|  |  |  |  |  |  |
| 1705 | 5) |  | **Marines** |  |  |
|  |  | a) | Driver | Per day | Rs.515 |
|  |  | b) | Oarsman, Tandel, Sarang | Per day | Rs.460 |
|  |  |  |  |  |  |
| 1706 | 6 |  | **Mason** |  |  |
|  |  | a) | Stone Ornamental work (highly skilled) | Per day | Rs.557 |
|  |  | b) | 1st class (skilled) | Per day | Rs.515 |
|  |  | c) | 2nd class brick layer, stone layer for plaster of paris work | Per day | Rs.460 |
|  |  | d) | Assistant | Per day | Rs.399 |
|  |  |  |  |  |  |
| 1707 | 7) |  | **Carpenter** |  |  |
|  |  | a) | Furniture (highly skilled) | Per day | Rs.557 |
|  |  | b) | 1st class (skilled) | Per day | Rs.515 |
|  |  | c) | 2nd class (semi-skilled) | Per day | Rs.460 |
|  |  | d) | Assistant | Per day | Rs.399 |
|  |  |  |  |  |  |
| 1708 | 8 |  | **Blacksmith:** |  |  |
|  |  | a) | 1st class (skilled) | Per day | Rs.515 |
|  |  | b) | 2nd class (semi-skilled) | Per day | Rs.460 |
|  |  | c) | Assistant | Per day | Rs.399 |
|  |  |  |  |  |  |
| 1709 | 9 |  | **Fitter** |  |  |
|  |  | a) | 1st class (skilled) | Per day | Rs.515 |
|  |  | b) | 2nd class (semi-skilled) | Per day | Rs.460 |
|  |  | c) | Assistant | Per day | Rs.399 |
|  |  |  |  |  |  |
| 1710 | 10 |  | Welder (Highly skilled) | Per day | Rs.557 |
|  |  |  |  |  |  |
| 1711 | 11 |  | **Mechanic** |  |  |
|  |  | a) | 1st class | Per day | Rs.515 |
|  |  | b) | 2nd class | Per day | Rs.460 |
|  |  | c) | Assistant | Per day | Rs.399 |
|  |  |  |  |  |  |
| 1712 | 12 |  | **Painter** |  |  |
|  |  | a) | Artist painter (Highly skilled) | Per day | Rs.557 |
|  |  | b) | Painter (skilled) | Per day | Rs.515 |
|  |  | c) | 2nd class (semi-skilled) | Per day | Rs.460 |
|  |  | d) | White washer | Per day | Rs.460 |
|  |  |  |  |  |  |
| 1713 | 13 |  | **Plumber, Electrician** |  |  |
|  |  | a) | Highly skilled | Per day | Rs.557 |
|  |  | b) | 1st class (skilled) | Per day | Rs.515 |
|  |  | c) | 2nd class | Per day | Rs.460 |
|  |  |  |  |  |  |
| 1714 | 14 |  | Meter reader, gauge reader | Per day | Rs.515 |
|  |  |  |  |  |  |
| 1715 | 15 | a) | **Supervisor** | Per day | Rs.557 |
|  |  | b) | Mistri | Per day | Rs.557 |
|  |  | c) | Typist | Per day | Rs.515 |
|  |  | d) | works assistant, draughtsman | Per day | Rs.515 |
|  |  | e) | Head Surveyor | Per day | Rs.460 |
|  |  |  |  |  |  |
| 1718 | 16 |  | Dozer operator / dumper/poclain operator/ motor grander / crane operator | Per day | Rs.515 |
|  |  |  |  |  |  |
| 1719 | 17 |  | Compressor operator | Per day | Rs.515 |
|  |  |  |  |  |  |
| 1720 | 18 |  | **Tin smith** |  |  |
|  |  | a) | 1st class | Per day | Rs.515 |
|  |  | b) | 2nd class | Per day | Rs.460 |
|  |  | c) | Assistant | Per day | Rs.399 |
|  |  |  |  |  |  |
| 1721 | 19 |  | **Auto Electrician** |  |  |
|  |  | a) | 1st class (skilled) | Per day | Rs.515 |
|  |  | b) | 2nd class (semi-skilled) | Per day | Rs.460 |
|  |  | c) | Assistant | Per day | Rs.399 |
|  |  |  |  |  |  |
| 1722 | 20 |  | **Rig Operator** |  |  |
|  |  | a) | 1st class (skilled) | Per day | Rs.515 |
|  |  | b) | 2nd class (semi-skilled) | Per day | Rs.460 |
|  |  | c) | Assistant | Per day | Rs.399 |
| **Note :These rates are exclusive of contractor's profit and overheads and are inclusive of the wages for weekly day of rest.** | | | | | |

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| **CHAPTER IV** | | | |
| **Hire Charges for Plants & Machinery for Building Works** | | | |
| **Sr. No.** | **Machine** | **Units** | **Rate** |
| 2001 | Static Roller | Day | 5500 |
| 2002 | Excavator (3D) with Driver & Fuel | Day | 10000 |
| 2003 | Hydraulilc rock breaker with driver & fuel | Day | 13000 |
| 2004 | Loader | Day | 6000 |
| 2005 | Tipper | Day | 4500 |
| 2006 | Mixer | Cu.m | 3500 |
| 2007 | Pump 1 | Day | 250 |
| 2008 | Pump 2 | Day | 350 |
| 2009 | Pumping charges | Cu.m | 250 |
| 2010 | Vibrator | Day | 600 |
| 2011 | Polishing machine | Day | 350 |
| 2012 | Mechanical mixer (Hire) | Cum | 140 |
| 2013 | Spraying machine including electricity charges | Day | 350 |
| 2014 | Hire charges of Pump set of capacity 4000 litres/hour. | Day | 500 |

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| **CHAPTER V** | | | | | | | | | | |
| **TRANSPORTATION AND CARRIAGE OF MATERIALS** | | | | | | | | | | |
|  | **(A) By tipper truck including loading, unloading and stacking** |  |  |  |  |  |  |  |  |  |
| **Item nos** | **Materials** | **Unit** | **1 km** | **2km** | **3km** | **4 km** | **5 km** | **Beyond 5 upto 10 km per km** | **Beyond 5 upto 20 km per km** | **Beyond 5 upto 30 km per km** |
|  | (A) Lime,building rubbish, manure sludge, moorum excavated rock |  |  |  |  |  |  |  |  |  |
| 3001- 8 | ( i ) Lime,moorum, building rubbish | Cum | 108.00 | 131.46 | 154.91 | 178.36 | 201.81 | 23.45 | 23.45 | 23.45 |
| 3009- 16 | ( ii ) Earth | Cum | 135.00 | 164.32 | 193.63 | 222.95 | 252.26 | 29.31 | 29.31 | 29.31 |
| 3017 -24 | ( iii ) Manure or sludge | Cum | 117.40 | 142.89 | 168.38 | 193.87 | 219.36 | 25.49 | 25.49 | 25.49 |
| 3025 -32 | (iv ) Excavated rock | Cum | 216.01 | 262.91 | 309.82 | 356.72 | 403.62 | 46.90 | 46.90 | 46.90 |
|  |  |  |  |  |  |  |  |  |  |  |
| 3033 -40 | ( B ) Sand, stone metal and soling |  |  |  |  |  |  |  |  |  |
| 3041 - 48 | ( i ) Sand stone metal below 40 mm | Cum | 129.60 | 157.75 | 185.89 | 214.03 | 242.17 | 28.14 | 28.14 | 28.14 |
| 30-49 - 56 | ( ii ) Stone metal 40 mm & above | Cum | 140.26 | 170.72 | 201.18 | 231.64 | 262.09 | 30.46 | 30.46 | 30.46 |
| 3057 - 64 | ( iii ) Soling stone | Cum | 152.48 | 185.58 | 218.69 | 251.80 | 284.91 | 33.11 | 33.11 | 33.11 |

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| **CARRIAGE OF MATEIALS** | | | | | | | | | | |
|  | **(B) By mechanical transport including loading, unloading and stacking** |  |  |  |  |  |  |  |  |  |
| **Item nos** | **Materials** | **Unit** | **1 km** | **2km** | **3km** | **4 km** | **5 km** | **Beyond 5 upto 10 km per km** | **Beyond 5 upto 20 km per km** | **Beyond 5 upto 30 km per km** |
|  | (A) Lime,building rubbish, manure sludge, moorum excavated rock |  |  |  |  |  |  |  |  |  |
| 3065 - 72 | (i) Lime,moorum, building rubbish | Cum | 195.12 | 220.15 | 244.72 | 268.29 | 290.94 | 20.35 | 16.37 | 13.20 |
| 3073 - 80 | (ii) Earth | Cum | 243.89 | 275.18 | 305.90 | 335.36 | 363.67 | 25.44 | 20.46 | 16.50 |
| 3081 - 88 | (iii) Manure or sludge | Cum | 212.08 | 239.29 | 266.00 | 291.62 | 316.23 | 22.12 | 17.79 | 14.34 |
| 3089 - 96 | (iv) Excavated rock | Cum | 390.23 | 440.29 | 489.43 | 536.57 | 581.87 | 40.70 | 32.73 | 26.39 |
|  | (B) Sand, stone metal and soling |  |  |  |  |  |  |  |  |  |
| 3097 - 04 | (i) Sand stone metal below 40 mm | Cum | 234.14 | 264.17 | 293.66 | 321.94 | 349.12 | 24.42 | 19.64 | 15.84 |
| 3105 - 12 | (ii) Stone metal 40 mm & above | Cum | 253.40 | 285.90 | 317.81 | 348.42 | 377.84 | 26.43 | 21.25 | 17.14 |
| 3113- 20 | (iii) Soling stone | Cum | 275.46 | 310.79 | 345.48 | 378.76 | 410.73 | 28.73 | 23.10 | 18.63 |
| 3121 - 28 | (2) Bricks | 1000 nos | 585.35 | 1001.27 | 1062.15 | 1121.02 | 1178.03 | 61.04 | 49.10 | 39.59 |
| 3129- 36 | (3) Tiles | 1000 nos | 365.84 | 412.77 | 458.84 | 503.04 | 545.50 | 38.15 | 30.69 | 24.74 |
| 3137- 44 | (4) Cement,stone blocks,C.I,A.C & C.C pipes below 100 mm dia and other heavy materials |  |  |  |  |  |  |  |  |  |
|  |  | Tonne | 167.24 | 188.70 | 209.76 | 229.96 | 249.37 | 17.44 | 14.03 | 11.31 |
| 3145 - 52 | (5 ) Steel | Tonne | 167.24 | 188.70 | 209.76 | 229.96 | 249.37 | 17.44 | 14.03 | 11.31 |
| 3153 - 60 | (6) Timber | cum | 234.14 | 264.17 | 293.66 | 321.94 | 349.12 | 24.42 | 19.64 | 15.84 |
| 3161 - 68 | (7) Tar, bitumen | Tonne | 260.15 | 293.53 | 326.29 | 357.71 | 387.91 | 27.13 | 21.82 | 17.60 |
| 3169 - 76 | (8) Steam coal | cum | 212.85 | 240.16 | 266.96 | 292.68 | 317.38 | 22.20 | 17.85 | 14.40 |
| 3177 - 84 | (9) Stoneware pipes |  |  |  |  |  |  |  |  |  |
|  | (a ) 100 mm dia | 100m | 243.89 | 275.18 | 305.90 | 335.36 | 363.67 | 25.44 | 20.46 | 16.50 |
| 3185 - 92 | (b ) 150 mm dia | 100m | 487.79 | 550.36 | 611.79 | 670.72 | 727.34 | 50.87 | 40.91 | 32.99 |
| 3193 - 00 | (c ) 200 mm dia | 100m | 867.18 | 978.42 | 1087.63 | 1192.38 | 1293.05 | 90.44 | 72.74 | 58.65 |
| 3221 - 28 | (d ) 230 mm dia | 100m | 1114.95 | 1257.97 | 1398.38 | 1533.06 | 1662.49 | 116.27 | 93.52 | 75.41 |
| 3229 - 36 | (e ) 250 mm dia | 100m | 1393.69 | 1572.46 | 1747.97 | 1916.33 | 2078.11 | 145.34 | 116.90 | 94.26 |
| 3237 - 44 | (f ) 300 mm dia | 100m | 1773.78 | 2001.32 | 2224.69 | 2438.96 | 2644.87 | 184.98 | 148.78 | 119.97 |
|  | (10) R.CC, P.C Hume steel C.I pipes |  |  |  |  |  |  |  |  |  |
| 3245 - 52 | (a ) 100 mm dia | 100m | 399.83 | 451.12 | 501.47 | 549.77 | 596.18 | 41.70 | 33.54 | 27.04 |
| 3253 - 60 | (b ) 150 mm dia | 100m | 639.72 | 721.79 | 802.35 | 879.63 | 953.89 | 66.72 | 53.66 | 43.27 |
| 3261 - 68 | (c ) 200 mm dia | 100m | 1066.21 | 1202.98 | 1337.25 | 1466.04 | 1589.81 | 111.19 | 89.43 | 72.11 |
| 3269 - 76 | (d ) 250 mm dia | 100m | 1453.92 | 1640.43 | 1823.52 | 1999.15 | 2167.92 | 151.63 | 98.33 | 98.33 |
| 3277 - 84 | (e ) 300 mm dia | 100m | 1881.54 | 2122.90 | 2359.85 | 2587.14 | 2805.55 | 196.22 | 127.26 | 127.26 |
| 3285 - 92 | (f ) 350 mm dia | 100m | 2665.52 | 3007.45 | 3343.12 | 3665.11 | 3974.53 | 277.98 | 180.28 | 180.28 |
| 3293 - 00 | (g) 400 mm dia | 100m | 3554.02 | 4009.93 | 4457.49 | 4886.81 | 5299.37 | 370.64 | 240.37 | 240.37 |
| 3301 - 08 | (h) 450 ,500 mm dia | 100m | 4569.46 | 5155.62 | 5731.06 | 6283.05 | 6813.47 | 476.54 | 309.05 | 309.05 |
| 3309 - 16 | (i ) 600,700,750,800 mm dia | 100m | 6397.24 | 7217.87 | 8023.49 | 8796.26 | 9538.86 | 667.15 | 432.67 | 432.67 |
| 3317 - 24 | (k) 900, 1000, 1100 & 1 1200mm dia | 100m | 7996.55 | 9022.34 | 10029.36 | 10995.33 | 11923.58 | 833.94 | 540.84 | 540.84 |
| 3325 - 32 | (l)1400,1600,1800 mm dia | 100m | 15993.11 | 18044.68 | 20058.72 | 21990.66 | 23847.15 | 1667.88 | 1081.67 | 1081.67 |
|  |  |  |  |  |  |  |  |  |  |  |
| 3333 - 40 | (11) Empty cement bags | 1000 nos | 5.85 | 6.60 | 7.34 | 8.05 | 8.73 | 0.61 | 0.49 | 0.40 |
|  |  |  |  |  |  |  |  |  |  |  |
| 3341 - 48 | (12) Hollow glass block | 100 nos | 5.57 | 6.29 | 6.99 | 7.67 | 8.31 | 0.58 | 0.47 | 0.38 |

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| **C) BY MANUAL LABOUR INCLUDING LOADING, UNLOADING STACKING FOR A LEAD LESS THAN 0.5Kms.** | | | | | | |
| **Item No.** |  |  | **Materials** | **Unit of rates** | **Costof carriage including loading unloading and stacking for first 50 metres** | **Cost for additional 50m or part thereof beyond 1st 50m upto 0.5m (Y)** |
|  |  |  | **Light Material** |  |  |  |
|  | a) |  | Lime, Murrum, building rubbish, earth, manure or sludge and excavated rocks |  |  |  |
| 3349-50 |  | i. | lime, moorum, earth , building materials, rubbish | 1 cu.m | 101.00 | 22.00 |
| 3351-52 |  | ii. | Earth | 1 cu.m | 126.00 | 27.00 |
| 3353-54 |  | iii. | Manure or sludge | 1cu.m | 109.00 | 24.00 |
| 3355-56 |  | iv. | Exacavated rock | cu.m | 201.00 | 44.00 |
|  | b) |  | Sand, stone aggregate and soiling. |  |  |  |
| 3357-58 |  | i. | sand, stone agg below 40mm nominal | 1cu.m | 126.00 | 27.00 |
| 3359-60 |  | ii. | stone aggregate 40mm & above | 1cu.m | 136.00 | 30.00 |
| 3361-62 |  | iii. | soling stone | 1cu.m | 148.00 | 32.00 |
| 3363-64 |  | iv. | bricks | 1000nos | 235.00 | 51.00 |
| 3365-64 |  | v. | Brick tiles, Allahabad mangalore tiles | 1000nos | 147.00 | 32.00 |
| 3367-68 |  | vi. | Steam coal | 1 tonne | 117.00 | 26.00 |
|  |  |  |  |  |  |  |
| Remarks: | This rate is applicable to net quantities after deduction of prescreibed percentage for voids mentioned in the specification under sub-head "Carriage of materials". | | | | | |

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| **C) CARRIAGE OF MATERIALS BY MANUAL LABOUR INCLUDING LOADING, UNLOADING STACKING FOR A LEAD LESS THAN 0.5Kms.** | | | | | |
| **Sr.no** |  | **Materials** | **Unit of rates** | **Costof carriage including loading unloading and stacking for first 50 metres** | **Cost for additional 50m or part thereof beyond 1st 50m upto 0.5m (Y)** |
|  |  | **Heavy Materials** |  |  |  |
| 3369-72 | a) | Stone blocks .G.I.,C.I, pipes below 100mm dia and other heavy materials | 1 tonne | 92.00 | 13.00 |
| 3371-72 | b) | cement | 1 tonne | 73.00 | 11.00 |
| 3372-74 | c) | Steel | 1 tonne | 156.00 | 23.00 |
| 3375-76 |  | Timber | cu.m | 101.00 | 15.00 |
| 3377-78 |  | Tar, bitumen, etc. | 1 tonne | 92.00 | 13.00 |
| 3379-80 |  | S.W. pipes |  |  |  |
| 3381-82 | a) | 100mm | 100m | 184.00 | 27.00 |
| 3383-84 | b) | 150mm | 100m | 302.00 | 44.00 |
| 3385-86 | c) | 200mm | 100m | 423.00 | 62.00 |
| 3387-88 | d) | 230mm | 100m | 541.00 | 79.00 |
| 3389-90 | e) | 250mm | 100m | 704.00 | 103.00 |
| 3391-92 | f) | 300mm | 100m | 1005.00 | 147.00 |
| 3393-94 | g) | 350mm | 100m | 1407.00 | 206.00 |
| 3395-96 | h) | 400mm | 100m | 1759.00 | 258.00 |
| 3397-98 | i) | 450mm | 100m | 2132.00 | 313.00 |
| 3399-00 | j) | 500mm | 100m | 2606.00 | 382.00 |
| 3401-02 | k | 600mm | 100m | 3198.00 | 469.00 |
|  |  | R.C.C. pipes, steel cylinders,R.C. pipes, C.I. pipes, Ununreinforced pipes |  |  |  |
| 3403-05 | a) | 100mm | 100m | 248.00 | 36.00 |
| 3405-06 | b) | 150mm | 100m | 303.00 | 45.00 |
| 3407-08 | c) | 200mm | 100m | 349.00 | 51.00 |
| 3409-10 | d) | 230mm | 100m | 524.00 | 77.00 |
| 3411-12 | e) | 250mm | 100m | 922.00 | 135.00 |
| 3413-14 | f) | 300mm | 100m | 1153.00 | 169.00 |
| 3415-16 | g) | 350mm | 100m | 1649.00 | 242.00 |
| 3417-18 | h) | 400mm | 100m | 1919.00 | 282.00 |
| 3419-20 | i) | 450mm & 500mm dia | 100m | 2558.00 | 375.00 |
| 3421-22 | j) | 600, 700,750 & 800 mm | 100m | 2814.00 | 413.00 |

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| **C) CARRIAGE OF MATERIALS BY MANUAL LABOUR INCLUDING LOADING, UNLOADING STACKING FOR A LEAD LESS THAN 0.5Kms.** | | | | | |
| **Sr.no** |  | **Materials** | **Unit of rates** | **Cost of carriage including loading unloading and stacking for first 50 metres** | **Cost for additional 50m or part thereof beyond 1st 50m upto 0.5m (Y)** |
|  |  | **Asbestos Cement sheets** |  |  |  |
| 3423-24 | a) | 50mm dia | 100m | 42.00 | 6.00 |
| 3424-25 | b) | 80mm dia | 100m | 115.00 | 17.00 |
| 3426-27 | c) | 100 mm dia | 100m | 165.00 | 24.00 |
| 3428-29 | d) | 150mm dia | 100m | 231.00 | 34.00 |
| Remark: | | The length of SW pipes will be measured excluding of the internal depth of sockets. | | | |

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| **ALL ITEM RATES ARE EXCLUSIVE OF GST BUT INCLUSIVE OF LABOUR CESS** | | | | |
| **CHAPTER VI** | | | | |
| **EARTHWORKS** | | | | |
| **Sr.No.** | | **DESCRIPTION** | **UNIT** | **RATE** |
| 4001 |  | Clearing grass and removal of rubbish upto a distance of 50 m outside the periphery of the area | 100 sq.m. | 498.00 |
| 4002 |  | Felling trees of girth(measured at a height of 1. m. Above ground level) inluding cutting of trunks and branches removing the roots stacking the serviceable material and disposal of unserviceable material for all leads : |  |  |
| a | Beyond 30 cm and upto 60 cm grith | Each | 498.00 |
| b | Beyond 60 cm and upto 120 cm grith | Each | 1153.00 |
| c | Beyond120 cm and upto 240 cm grith | Each | 5014.00 |
| d | Beyond 240 cm girth | Each | 9929.00 |
| 4003 |  | Surface dressing of ground including removing vegetation in equalities not exceeding 15 cm deep and disposal of rubbish lead upto 50 m and lift upto 1.5 m. |  |  |
| a | Ordinary soil | sq.m | 26.00 |
| b | Hard soil | sq.m | 36.00 |
| 4004 |  | Earthwork in surface excavation not exceeding 30 cm depth(but exceeding 1.5 m width as well as 10 sq.m on plan) including disposal of excavated earth beyond work site for all leads lift disposed earth to be leveled and neatly dressed in: |  |  |
| a | Ordinary soil | sq.m | 48.00 |
| b | Hard soil | sq.m | 66.00 |
| 4005 |  | Earthwork in excavation by mechanical means (hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sq.m on plan) including disposal of excavated earth lead upto 50 m and lift upto 1.5m disposed earth to be leveled and neatly dressed including providing barricading, danger lighting guarding as directed in : |  |  |
| a | All kinds of soil | cu.m | 286.00 |
| b | All types of Ordinary rock including all types of laterite rock, blasting prohibited | cu.m | 639.00 |
| c | Hard rock where blasting prohibited | cu.m | 1145.00 |
| 4006 |  | Earthwork in excavation by mechanical means (hydraulic excavator)/manual means in foundation pipeline trenches drain (not exceeding 1.5 m in width or 10 sq.m. on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50 m. |  |  |
| a | All kinds of soil | cu.m | 291.00 |
| b | All types of Ordinary rock including all types of laterite rock, blasting prohibited | cu.m | 672.00 |
| c | Hard rock where blasting prohibited | cu.m | 1169.00 |
| 4007 |  | Earthwork in excavation over areas in saturated soil (exceeding 0.30 m upto a depth of 0.60 m) including disposal of excavated earth lead upto 50 m and lift upto 1.5 m disposed earth to be neatly dressed and leveled including pumping or bailing out water | cu.m | 752.00 |
| 4008 |  | Earthwork in excavation in foundation pipeline trenches, drain in saturated soil upto a depth of 0.60 m lift upto 1.50 m including shoring, strutting and pumping/bailing out water stacking the excavated soil not more than 5 m. clear from the edge the excavation and returning the stacked soil in 0.15 m layers when required into plinth sides of foundation etc. consolidating each deposited layer by ramming, watering and disposing of all surplus excavated soil within a lead upto 20m. | cu.m | 822.00 |
| 4009 |  | Extra for earthwork excavated in saturated soil for every 0.30 m depth or part thereof over 0.60 m depth below water table including pumping and bailing out water | cu.m | 121.00 |
| 4010 |  | Extra for additional depth of 1.5 m or part thereof in: |  |  |
| a | All types of soil | cu.m | 38.00 |
| b | Saturated soil | cu.m | 62.00 |
| c | All types of laterite rocks and hard rocks | cu.m | 50.00 |
| 4011 |  | Extra for all type of laterite rock and hard rock in wet condition including pumping or bailing out water. | cu.m | 183.00 |
| 4012 |  | Refilling the pipeline/foundation trenches plinth sides, foundation etc. with available excavated earth in layers not exceeding 20 cm depth consolidating each layer ramming and watering lead upto 50 M and all lifts and disposal of surplus earth as directed by Engineer in Charge. | cu.m | 245.00 |
| 4013 |  | Open timbering in trenches including strutting and shoring complete. (face area to be timbered only to be taken) |  |  |
| a | Depth not exceeding 1.5 m | sq.m | 155.00 |
| b | Depth exceeding 1.5 m but not exceeding 3.0 m | sq.m | 181.00 |
| c | Depth exceeding 3.00 m | sq.m | 210.00 |
| 4014 |  | Extra for planking and strutting in open planks as required to be left permanently in position(face area to be left permanently to be measured) | sq.m | 562.00 |
| 4015 |  | Closed planking in trenches including strutting and shoring packing cavities (wherever required) complete. (measurement to be taken only on face area to be timbered) |  |  |
| a | Depth not exceeding 1.5 m | sq.m | 296.00 |
| b | For depth exceeding 1.5 m but not exceeding 3.0 m | sq.m | 342.00 |
| c | For depth exceeding 3.0 m | sq.m | 402.00 |
| 4016 |  | Extra for planking and strutting and packing material for cavities (in closed timbering) if required to be left permanently in position.(face area of timbering permanently left to be measured) | sq.m | 1079.00 |
| 4017 |  | Supplying and filling in plinth under floors, trenches including watering ramming consolidating, dressing, complete. |  |  |
| a | Sand | cu.m | 2314.00 |
| b | Moorum | cu.m | 662.00 |
| 4018 |  | Open timbering over areas including shuttering shoring and use and waste of racking shores, complete(measurements to be taken on face area timbered) |  |  |
| a | Upto depth of 1.5 m | sq.m | 94.00 |
| b | For depth exceeding 1.5 m but upto 3.00 m | sq.m | 112.00 |
| c | For depth beyond 3.00 m | sq.m | 124.00 |
| 4019 |  | Open timbering in case of shafts, wells, cesspits man holes and like including strutting and shoring complete (measurements to be taken of face area timbered) |  |  |
| a | Upto depth of 1.5 m | sq.m | 162.00 |
| b | For depth exceeding 1.5 m but upto 3.00 m | sq.m | 171.00 |
| c | For depth beyond 3.00 m | sq.m | 198.00 |
| 4020 |  | Close timbering over areas including strutting shoring packing cavities (wherever required) and use waste of ranking shore etc. complete. |  |  |
| a | Upto depth of 1.5 m | sq.m | 262.00 |
| b | For depth exceeding 1.5 m but upto 3.00 m | sq.m | 307.00 |
| c | For depth beyond 3.00 m | sq.m | 351.00 |
| 4021 |  | Close timbering in case of shafts wells, cesspits, manholes, and the like including strutting, shoring and packing cavities(wherever required) complete. (measurements to be taken of face area timbered) |  |  |
| a | Upto depth of 1.5 m | sq.m | 327.00 |
| b | For depth exceeding 1.5 m but upto 3.00 m | sq.m | 361.00 |
| c | For depth beyond 3.00 m | sq.m | 412.00 |
| 4022 |  | Dewatering the trenches and bailing out water including removal of slush, mud etc. for any depth and disposal of pumped mud, water, slush to suitable point not forming circuit of return of pumped water to the very trench, by employing diesel generated pump | cu.m | 498.00 |
| 4023 |  | Earth work in rough excavation banking excavated earth in layers not exceeding 20 cm in depth breaking clods, watering rolling each layer with 1/2 tonne roller or wooden or steel rammers, and rolling every third and top most layer with power roller of minimum 8 tonnes and dressing up, in embankments for roads, flood banks, marginal banks and guide banks or filling up ground depressions, lead upto 50 m and lift upto 1.5 m |  |  |
| a | All types of soil | cu.m | 387.00 |
| 4024 |  | Ploughing the existing ground to a depth from 15 cm. to 35 cm. and watering the same: |  |  |
| a | Ordinary soil | sq.m | 24.00 |
| b | Hard soil | sq.m | 39.00 |
| 4025 |  | Banking excavated earth in layers not exceeding 20 cm in depth breaking clods, watering, rolling each layer with 1/2 tonne roller, or wooden or steel rammers, & rolling every 3rd & top most layer with power roller of minimum 8 tonnes & dressing up in embankments for roads, flood banks, marginal banks, and guide banks, etc. lead upto 50 m. and lift upto 1.5 m. |  |  |
| a | Ordinary soil | cu.m | 255.00 |
| b | Hard soil | cu.m | 300.00 |
| 4026 |  | Deduct for not rolling with power roller minimum 8 tonnes in item No. 4025. | cu.m | 19.00 |
| 4027 |  | Deduct for not watering in item Nos. 4025. | cu.m | 19.00 |
| 4028 |  | Clearing jungle including up rooting of rank vegetation grass bush wood trees and sapling of girth upto 30 cm. measured at a height of 1 m above ground level & removal of rubbish upto a distance of 50 mt. outside the periphery of the area cleared. (if however, only grass is met with the area will be measured and paid for under item 4001). | sq.m | 10.00 |
| 4029 |  | Earthwork in excavation in saturated soil upto depth of 0.60 m including pumping or bailing out water and banking in layer for the purpose of making embankments or filling up ground depressions, lead upto 20 m. and lift upto 1.5 m. | cu.m | 1179.00 |
| 4030 |  | Extra rates for quantities of works executed in or under foul position including pumping out water as required.\* METER DEPTH.(25% of the Rate of the item. This pertains to only such. Pumping of water as is envisaged at the time of tendering & don’t include those that covered under contractual risk).The unit, namely meter depth,to be considered for payment,shall be the depth measured from the sub soil water level up to the center of gravity of the Qty excuted in difficult condition. the depth shall be reckoned correct to 0.10m, 2.05 m or more shall be taken as 0.10 m & less than 0.05 m ignored. | Meter Depth | 25% |
| 4031 |  | Stacking stone boulder (15 to 23 cm size) for measurement | cu.m | 169.00 |
| 4032 |  | Stacking stone aggregate for measurement | cu.m | 112.00 |
| 4033 |  | Stacking sand for measurement | cu.m | 94.00 |

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| **CHAPTER VII** | | | | |
| **PRECAST MASONARY WORKS** | | | | |
| **Sr. No.** | | **DESCRIPTION** | **UNIT** | **RATE** |
| 5001 |  | Pre-cast cement concrete solid block masonry of compressive strength 70 kg / cm2 in cement mortar 1:4 (1 cement : 4 corase sand ) in foundation and plinth size of blocks (30 x 20 x 15) |  |  |
|  | In foundation and plinth | cu.m | 6404.00 |
| 5002 |  | Pre-cast cement concrete solid block masonry of compressive strength 70 kg / cm2 in cement mortar 1:4 (1 cement : 4 corase sand ) in foundation and plinth size of blocks (40 x 20 x 15) |  |  |
|  | In foundation and plinth | cu.m | 5850.00 |
| 5003 |  | Pre-cast cement concrete solid block masonry of compressive strength 70 kg / cm2 in cement mortar 1:4 (1 cement : 4 corase sand ) in foundation and plinth size of blocks (30 x 23 x 15) | cu.m | 6315.00 |
| 5004 |  | Pre-cast cement concrete solid blocks masonry of compressive strength 70 kg / cm2 in cement mortar 1:4 (1 cement : 4 corase sand ) in partition walls size of blocks (30 x 20 x 10) | sq.m | 817.00 |
| 5005 |  | Extra for precast concrete block masonary in all sizes in superstructure from floor one level upto floor V level | cu.m | 929.00 |
| 5006 |  | Extra for precast concrete block masonary in all sizes in superstructure above floor V level for every four floors or part thereof. | cu.m | 936.00 |

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| **BRICK MASONARY WORKS** | | | | |
| **Sr. No.** |  | **DESCRIPTION** | **UNIT** | **RATE** |
| 5007 |  | Brick work using common burnt building bricks in cement mortar 1:3 (1 cement : 3 coarse sand) with bricks of class designation 75 kg/ cm2 (wire cut bricks) |  |  |
| a | In foundation and plinth. | cu.m | 8624.00 |
| b | In superstructure upto floor five level. | cu.m | 9632.00 |
| 5008 |  | Brick work using common burnt building bricks in cement mortar 1:3 (1 cement : 3 coarse sand) with bricks of class designation 40 kg / cm2 (wire cut bricks) |  |  |
| a | In foundation and plinth. | cu.m | 7521.00 |
| b | In superstructure upto floor five level. | cu.m | 8529.00 |
| 5009 |  | Brick work using common burnt building bricks in cement mortar 1:4 (1 cement : 4 coarse sand) with bricks of class designation 75 kgs/ cm2 (wire cut bricks) |  |  |
| a | In foundation and plinth. | cu.m | 8358.00 |
| b | In superstructure upto floor five level. | cu.m | 9366.00 |
| 5010 |  | Brick work using common burnt building bricks in cement mortar 1:4 (1 cement : 4 coarse sand) with bricks of class designation 40 kg/ cm2 . |  |  |
| a | In foundation and plinth. | cu.m | 7256.00 |
| b | In superstructure upto floor five level. | cu.m | 8264.00 |
| 5011 |  | Brick work using common burnt building bricks in cement mortar 1:5 (1 cement : 5 coarse sand) with bricks of class designation 75 kg/ cm2. |  |  |
| a | In foundation and plinth. | cu.m | 8225.00 |
| b | In superstructure upto floor five level. | cu.m | 9233.00 |
| 5012 |  | Brick work using common burnt building bricks in cement mortar 1:5 (1 cement : 5 coarse sand) with bricks of class designation 40 kg/ cm2. |  |  |
| a | In foundation and plinth. | cu.m | 7122.00 |
| b | In superstructure upto floor five level. | cu.m | 8130.00 |
| 5013 |  | Extra for brick work in square and rectangular pillars | cu.m | 435.00 |
| 5014 |  | Extra for brick work in circular pillars: |  |  |
| a | With bricks of class designation 75 kg / cm2 (wire cut bricks) | cu.m | 2627.00 |
| b | With bricks of class designation 40 kg / cm2. | cu.m | 2313.00 |
| 5015 |  | Extra for brick work curved in plan upto a mean radius not exceeding 6 meters. |  |  |
|  | a | With bricks of class designation 75 kg/cm2. | cu.m | 816.00 |
|  | b | With bricks of class designation 40 kg./cm2. | cu.m | 736.00 |
| 5016 |  | Extra for making tapered surface of brick masonry |  |  |
| a | With bricks of class designation 75 kg./cm2. | sq.m | 484.00 |
| b | With bricks of class designation 40 kg./cm2. | sq.m | 436.00 |
| 5017 |  | Half brick masonry in cement mortar 1:3 (1 cement : 3 coarse sand) with bricks of class designation 75 kg /cm2. |  |  |
| a | In foundation and plinth. | sq.m | 1066.00 |
| b | Upto floor V level. | sq.m | 1198.00 |
| 5018 |  | Half brick masonry in cement mortar 1:3 (1 cement : 3 coarse sand) with bricks of class designation 40 kgs / cm2. |  |  |
| a | In foundation and plinth. | sq.m | 934.00 |
| b | Upto floor V level. | sq.m | 1065.00 |
| 5019 |  | Half brick masonry in cement mortar 1:4 (1 cement : 4 coarse, sand) with bricks of class designation 75 kg/ sq. cm upto floor five level . |  |  |
| a | In foundation and plinth. | sq.m | 1037.00 |
| b | Upto floor V level. | sq.m | 1168.00 |
| 5020 |  | Half brick masonry in cement mortar 1:4 (1 cement :4 coarse, sand) with bricks of class designation 40 kg/ sq. cm upto floor five level . |  |  |
|  | a | In foundation and plinth. | sq.m | 904.00 |
|  | b | Upto floor V level. | sq.m | 1036.00 |
| 5021 |  | Extra for cutting or chamfering of bricks to required shape masonry work. | sq.m | 24.00 |
| 5022 | a | Providing 10 cm drip course at junction of roofs and wall in cement mortar 1:4 (1 cement : 4 fine sand) with bricks of class designation 75 kg / cm2. | Metre | 76.00 |
| b | Providing 10 cm drip course at junction of roofs and wall in cement mortar 1:4 (1 cement : 4 fine sand) with bricks of class designation 40 kg / cm2. | Metre | 66.00 |
| 5023 | a | Providing 7.62 cm thick 5 cm projected string course in cement mortar 1:4 (1 cement : 4 fine sand) with bricks of class designation 75 kg / cm2. | Metre | 37.00 |
| b | Providing 7.62 cm thick 5 cm projected string course in cement mortar 1:4 (1 cement : 4 fine sand) with bricks of class designation 40 kg / cm2. | Metre | 32.00 |
| 5024 |  | Brick work using fly ash bricks in cement mortar 1:4 (1 cement : 4 coarse sand ) with bricks of class designation 40 kgs / cm2. in foundation and plinth. |  |  |
| a | 230 x 110 x 80 mm | cu.m | 7495.00 |
|  | Brick work using fly ash bricks in cement mortar 1:4 (1 cement : 4 coarse sand ) with bricks of class designation 40 kgs / cm2. in superstructure upto floor five level. |  |  |
| b | 230 x 110 x 80 mm | cu.m | 7638.00 |
| 5025 |  | Brick work using fly ash bricks in cement mortar 1:5 (1 cement : 5 coarse sand) with bricks of class designation 40 kg / cm2 in foundation and plinth. |  |  |
| a | 230 x 110 x 80 mm | cu.m | 6497.00 |
|  | Brick work using fly ash bricks in cement mortar 1:5 (1 cement : 5 coarse sand) with bricks of class designation 40 kg / cm2 in superstructure upto floor five level. |  |  |
| b | 230 x 110 x 80 mm | cu.m | 7452.00 |
| 5026 |  | Half brick masonry usign fly ash bricks in cement mortar 1:3 (1 cement : 3 coarse sand ) with bricks of class designation 40 kgs / cm2. |  |  |
| a | In foundation and plinth 200 x 95 x 95 | sq.m | 716.00 |
| b | Above plinth upto floor V level 200 x 95 x 95 | sq.m | 912.00 |
| 5027 |  | Half brick masonry using fly ash bricks in cement mortar 1:4 (1 cement : 4 coarse sand) with bricks of class designation 40 kg/cm2 |  |  |
| a | In foundation and plinth 200 x 95 x 95 | sq.m | 652.00 |
| b | Above plinth upto floor V level 200 x 95 x 95 | sq.m | 882.00 |
| 5028 |  | Extra for brickwork in super structure above floor V level for every four floors or part thereof. | cu.m | 702.00 |
| 5029 |  | Extra for half brickwork in super structure above floor V level for every four floors or part thereof. | sq.m | 80.00 |

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| **LATERITE MASONARY WORKS** | | | | |
| **Sr. No** |  | **DESCRIPTION** | **UNIT** | **RATE** |
| 5035 |  | Rubble packing with hard laterite stone under floors including watering ramming and consolidating etc. in pipeline trenches and other foundations complete. | cu.m | 2211.00 |
| 5036 |  | Laterite masonry of dressed stones of size as specified laid dry in pitching riverment etc. | cu.m | 3372.00 |
| 5037 |  | Random rubble masonry of laterite stone not less than 20 cm laid dry in pitching rivetment etc. | cu.m | 2587.00 |
| 5038 |  | Laterite masonry in neatly dressed stones of size as specified in cement mortar 1: 4 (1 cement : 4 coarse sand) in foundation and basement. | cu.m | 5186.00 |
| 5039 |  | Laterite masonry in neatly dressed stones of size as specified in cement mortar 1: 5 (1 cement : 5 coarse sand) in foundation and basement. | cu.m | 5079.00 |
| 5040 |  | Extra for flat semi-circular or segmental arch works . | cu.m | 402.00 |
| 5041 |  | Extra for labour in well lining cornices coping, etc. | cu.m | 445.00 |
| 5042 |  | Exposed decorative laterite masonry using Patradevi stone of size as specified and laid as directed by architect in cement mortar 1:4 (1 cement : 4 coarse sand) | cu.m | 9708.00 |
| 5043 |  | Laterite masonry in neatly dressed stones for 23 cms thick masonry walls in c.m. 1 : 4 (1 cement : 4 coarse sand in foundation upto plinth level | cu.m | 6075.00 |
| 5044 |  | Laterite masonry in neatly dressed stones for 23 cms thick masonry walls in cm. 1 : 5 (1 cement : 5 coarse sand) in foundation upto plinth level | cu.m | 5968.00 |
| 5045 |  | Laterite masonry in neatly dressed stones for 20 cms thick masonry walls in cm. 1 : 4 (1 cement : 4 coarse sand) in foundation upto plinth level | cu.m | 6453.00 |
| 5046 |  | Laterite masonry in neatly dressed stones for 23 cms thick masonry walls in cm. 1 : 5 (1 cement : 5 coarse sand) in foundation upto plinth level | cu.m | 6346.00 |
| 5047 |  | Extra for laterite masonry in all sizes in superstructure from floor I level upto floor V level. | cu.m | 929.00 |
| 5048 |  | Extra for laterite masonry in all sizes in superstructure above floor V level for every 4 floors or part thereof | cu.m | 936.00 |
| 5049 |  | Providing and laying Autoclave Aerated cement blocks masonry (Light Weight Foam Concrete Blocks) with 100 mm thick AAC blocks in super structure above plinth level up to floor V level in cement mortar 1:4 (1 cement : 4 coarse sand). The rate includes providing and placing in position 2 Nos 6 mm dia M.S. bars at every third course of masonry work. | cu.m. | 8392.00 |
| 5050 |  | Laterite stone masonary in neatly dressed stones as specified in Lime Mortar (1 Lime Putty : 2 Surkhi) in foundation and basement. | cu.m. | 5613.00 |

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| **CHAPTER VIII** | | | | |
| **PLAIN CONCRETE WORKS** | | | | |
| **SR. NO** | | **DESCRIPTION** | **UNIT** | **RATE** |
| 6001 |  | Providing and laying in position cement concrete 1:2:4 (1 cement : 2 coarse sand: 4 graded granitic or basaltic stone aggregate 40 m nominal size) excluding cost of centering, shuttering and finishing : |  |  |
| a | All works upto plinth level | cu.m | 6635.00 |
| b | In retaining walls , return walls(any thk) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping bed blocks, anchor blocks, plain window sills, fillets etc, upto floor five level. | cu.m | 7442.00 |
| 6002 |  | Providing & laying cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded granitic or basaltic stone aggrt. 40 mm. nominal size) excluding cost of centering, shuttering and finishing in: |  |  |
| a | All works upto plinth level | cu.m | 6192.00 |
| b | In retaining walls , return walls(any thk) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping bed blocks, anchor blocks, plain window sills, fillets etc, upto floor five level. | cu.m | 6738.00 |
| 6003 |  | Providing & laying cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 river pebbles 40mm nominal size) excluding cost of centering, shuttering and finishing in: |  |  |
| a | All works upto plinth level | cu.m | 5567.00 |
| b | In retaining walls , return walls(any thk) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping bed blocks, anchor blocks, plain window sills, fillets etc, upto floor five level. | cu.m | 5988.00 |
| 6004 |  | Providing & laying cement concrete 1:4:8 (1 cement 4 : coarse sand : 8 river pebbles aggregates 40 mm. nominal size) excluding cost of centering, shuttering and finishing in: |  |  |
| a | All works upto plinth level | cu.m | 5372.00 |
| b | In retaining walls , return walls(any thk) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping bed blocks, anchor blocks, plain window sills, fillets etc, upto floor five level. | cu.m | 5809.00 |
| 6005 |  | Providing & laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 river pebbles aggregate 40 mm. nominal size) excluding cost of centering, shuttering and finishing in: |  |  |
| a | All works upto plinth level | cu.m | 5068.00 |
| b | In retaining walls , return walls(any thk) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping bed blocks, anchor blocks, plain window sills, fillets etc, upto floor five level. | cu.m | 5518.00 |
| 6006 |  | Providing & laying cement concrete 1:3:6 (1 cement: 3 coarse sand: 6 hard laterite stone ballast aggrt. 50 mm. nominal size) excluding cost of centering and shuttering in : |  |  |
| a | All works upto plinth level | cu.m | 6574.00 |
| 6007 |  | Providing and laying cement concrete 1:4:8 (1 cement: 4 coarse sand: 8 graded granitic a basaltic stone aggregate 40 mm nominal size) excluding cost of centering, shuttering and finishing in |  |  |
| a | All works upto plinth level | cu.m | 5813.00 |
| b | In retaining walls , return walls(any thk) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping bed blocks, anchor blocks, plain window sills, fillets etc, upto floor five level. | cu.m | 6432.00 |
| 6008 |  | Providing & laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded granitic or basaltic stone aggrt. 40 mm. nominal size) excluding cost of centering, shuttering and finishing in: |  |  |
| a | All works upto plinth level | cu.m | 5556.00 |
| b | In retaining walls , return walls(any thk) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping bed blocks, anchor blocks, plain window sills, fillets etc, upto floor five level. | cu.m | 6128.00 |
| 6009 |  | Providing & laying cement concrete 1: 1.5: 3 (1 cement: 1.5 coarse sand: 3 graded granitic or basaltic stone aggrt. 20 mm. nominal size) excluding cost of centering, shuttering and finishing in: |  |  |
|  | a | All works upto plinth level | cu.m | 7292.00 |
|  | b | In retaining walls , return walls(any thk) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping bed blocks, anchor blocks, plain window sills, fillets etc, upto floor five level. | cu.m | 7970.00 |
| 6010 |  | Providing & laying cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded granitic or basaltic stone aggrt. 20 mm. nominal size) excluding cost of centering, shuttering and finishing in: |  |  |
| a | All works upto plinth level | cu.m | 6810.00 |
| b | In retaining walls , return walls(any thk) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping bed blocks, anchor blocks, plain window sills, fillets etc, upto floor five level. | cu.m | 7429.00 |
| 6011 |  | Providing & laying cement concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded granitic or basaltic stone aggrt. 20 mm. nominal size) excluding cost of centering, shuttering and finishing in: |  |  |
| a | All works upto plinth level | cu.m | 6325.00 |
| b | In retaining walls , return walls(any thk) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping bed blocks, anchor blocks, plain window sills, fillets etc, upto floor five level. | cu.m | 6769.00 |
| 6012 |  | Centering and shuttering including struttings, propping etc. and removal of formwork for : |  |  |
| a | Foundations, footings, bases for columns and mass concrete. | sq.m | 407.00 |
| b | vertical surfaces such as retaining walls , return walls, walls (any thk) including attached pilasters, buttresses, plinth and string courses, fillets, etc. | sq.m | 479.00 |
| c | Columns, Pillars ,piers,abutments, posts and strut, square, rectangular, polygon in plan. etc. | sq.m | 598.00 |
| 6013 |  | Providing and laying cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded granitic or basaltic stone aggregate 20 mm nominal size) excluding the cost of centering, shuttering and finishing etc. |  |  |
| a | Kerbs, steps and the like at or near ground level | cu.m | 6810.00 |
| 6014 |  | Providing and laying cement concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded granitic or basaltic stone aggregate 20 mm nominal size) excluding the cost of centering, shuttering and finishing etc. |  |  |
| a | Kerbs, steps and the like at or near ground level | cu.m | 6325.00 |
| 6015 |  | Providing and laying upto floor five level cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded granitic or basaltic stone aggregate 20 mm nominal size) including smooth finishing to exposed surfaces, with cement mortar 1:3 (1 cement: 3 fine sand) including centering and shuttering etc. |  |  |
| a | Kerbs, steps and the like at or near ground level | cu.m | 11053.00 |
| b | String courses, copings, bedplates, anchor blocks, plain window sills and the like. | cu.m | 15373.00 |
| c | Small lintels not exceeding 1.5 m clear span, including coping and the like requiring form work to the suspended portions. | cu.m | 17067.00 |
| d | Moulding as in cornices, window sills etc. exceeding 15 cm in girth. | cu.m | 16771.00 |
| e | Moulding in cornices, window sills etc. not exceeding 15 cm girth. | cu.m | 16874.00 |
| 6016 |  | Providing and laying upto floor five level pre-cast cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded granitic or basaltic stone aggregate 20 mm nominal size) including hoisting and setting in position in cement mortar 1:3 (1cement : 3 Coarse sand) including smooth finishing the exposed surfaces, with cement mortar 1:3 (1 cement: 3 fine sand) including centering and shuttering etc. |  |  |
| a | Kerbs, steps and the like at or near ground level | cu.m | 13708.00 |
| b | String courses, copings, bed plates, anchor blocks, plain window sills and the like. | cu.m | 17137.00 |
| c | Small lintels not exceeding 1.5 m clear span, including coping and the like requiring form work to suspended portions. | cu.m | 15066.00 |
| d | Moulding as in cornices, window sills etc. exceeding 15 cm in girth. | cu.m | 18535.00 |
| e | Moulding in cornices, window sills etc. not exceedings 15 cm girth. | cu.m | 18638.00 |
| 6017 |  | Extra for laying concrete in or under water & or liquid mud including cost of pumping and bailing out water and removing slush etc. complete. \* Per cu.m per m depth | Cum per meter depth | 498.00 |
| 6018 |  | Extra for laying concrete in or under foul condition | cu.m | 210.00 |
| 6019 |  | Providing & laying damp proof course 25 mm thick with cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone agg. 10 mm nominal size). | sq.m | 221.00 |
| 6020 |  | Providing & laying damp proof course 40 mm thick with cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone agg 12.5 mm nominal size). | sq.m | 341.00 |
| 6021 |  | Providing & laying damp proof course 50 mm thick with cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone agg. 20 mm nominal size). | sq.m | 387.00 |
| 6022 |  | Extra for providing and mixing water proofing material in cement concrete work in the proportion recommended by the manufacturers. \*Per bag of 50 kg of cement used in the mix . | per cement bag | 57.00 |
| 6023 |  | Applying a coat of hot bitumen (maxphalt 80/100 or equivalent) using 1.5 kg/sq.m. on damp proof course after cleaning the surface with brushes and finally with a piece of cloth light soaked in bitumen. | sq.m | 177.00 |
| 6024 |  | Providing and laying plum concrete in cement concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded granitic or basaltic stone aggregate 40 mm nominal size) with plums not exceeding 15% of the volume of the finished concrete of size ranging from 150 to 300 mm (but the maximum dimension not exceeding 1/3rd (one third) the least dimension of member under consideration excluding the cost of centering and shuttering: |  |  |
|  | a | With granitic or basaltic stone plums in: |  |  |
|  | 1 | foundation and plinth | cu.m | 5628.00 |
|  | 2 | Walls including attached buttresses pilasters, string courses, independent piers, columns and pillasters coping and the like. upto floor five level. | cu.m | 6093.00 |
|  | b | With laterite stone plum: - |  |  |
|  | 1 | foundation and plinth | cu.m | 5547.00 |
|  | 2 | Walls including attached buttresses pilasters, string courses, independent piers, columns and pillasters coping and the like. upto floor five level. | cu.m | 6011.00 |
| 6025 |  | Providing and laying plum concrete in cement concrete 1:2: 4 (1 cement: 2 coarse sand: 4 graded granitic or basaltic stone aggregate 40 mm nominal size) with plums not exceeding 15% of the volumne of the finished concrete of size ranging from 150 to 300 mm (but the maximum dimension not exceeding 1/3rd (one third) the least dimension of member under consideration excluding the cost of centering and shuttering: |  |  |
| a | With granitic or basaltic stone plums in : |  |  |
| 1 | foundation and plinth | cu.m | 6004.00 |
| 2 | Walls including attached buttresses pilasters, string courses, independent piers, columns and pillasters coping and the like. upto floor five level. | cu.m | 6691.00 |
| b | Lateritic stone plum in: - |  |  |
| 1 | foundation and plinth | cu.m | 5923.00 |
| 2 | Walls including attached buttresses pilasters, string courses, independent piers, columns and pillasters coping and the like. upto floor five level. | cu.m | 6610.00 |
| 6026 |  | Extra for concrete work in superstructure above floor five level for each four floors or part thereof. | cu.m | 702.00 |
| 6027 |  | Making plinth protection 50mm thick of Cement Concrete 1:3:6 (1cement: 3 Coarse Sand: 6 graded stone aggregate 20mm nominal size) over 75mm bed of dry laterite aggregate 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth. | sq.m | 810.00 |

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| **CHAPTER IX** | | | | |
| **REINFORCED CEMENT CONCRETE WORKS** | | | | |
| **SR. NO** | | **DESCRIPTION** | **UNIT** | **RATE** |
| 6030 |  | Providing and laying in position (1:11/2:3) Reinforced cement conrete excluding the cost of centering, shuttering, finishing and reinfrocement (1 cement: 1½ coarse sand:3 graded stone agg 20mm nominal size) |  |  |
| a | All works upto plinth level | cu.m | 7178.00 |
| b | In walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and structs etc. upto floor five level | cu.m | 8034.00 |
| c | In beams, suspended floors, roofs having slope upto 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases upto floor five level | cu.m | 8109.00 |
| 6031 |  | Providing and laying in position (1:2:4) reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement. (1 cement:2 coarse sand:4 graded stone agg 20mm nominal size) |  |  |
| a | All works upto plinth level | cu.m | 6689.00 |
| b | In walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and structs etc. upto floor five level | cu.m | 7544.00 |
| c | In beams, suspended floors, roofs having slope upto 15° landings, balconies, shelves, chajjas, intels, bands, plain window sills, staircases upto floor five level | cu.m | 7611.00 |
| 6032 |  | Providing and laying upto floor five level reinforced cement concrete (1:2:4) in kerbs, steps and the like excluding the cost of centering, shuttering and finishing and reinforcement (1 cement: 2 coarse sand: 4 graded grantic or basaltic aggreate 20mm nominal size | cu.m | 7640.00 |
| 6033 |  | Reinforced cement concrete work in arches, arch ribs, domes, vaults, shells, folded plate and roofs having slope more than 15° upto floor five level excluding the cost of centering, shuttering, finishing and reinforcement with 1:1½ :3 (1 cement: 1½ coarse sand: 3 graded grantic or basaltic aggreate 20mm nominal size) | cu.m | 7672.00 |
| 6034 |  | Reinforced cement concrete work in arches, arch ribs, domes, vaults, shells, folde plate and roofs having slope more than 15° upto floor five level excluding the cost of centering, shuttering, finishing and reinforcement with 1:2:4 (1 cement: 2 coarse sand: 4 gradrd granitic or basaltic aggregate 20mm nominal size | cu.m | 7182.00 |
| 6035 |  | Reinforced cement concrete work in chimneys, shafts upto floor five level excluding the cost of centering, shuttering, finishing and reinforcement with 1:1½ :3 (1 cement: 1½ coarse sand: 3 graded granitic or basltic aggreate 20mm nominal size) | cu.m | 8155.00 |
| 6036 |  | Reinforced cement concrete work in chimneys, shafts upto floor five level excluding the cost of centering, shuttering, finishing and reinforcement with 1:2:4 (1 cement: 2 coarse sand: 4 graded granitic or basaltic aggreate 20mm nominal size | cu.m | 7664.00 |
| 6037 |  | Reinforced cement concrete work in well steining excluding the cost of centering, shuttering, finishing and reinforcement with 1:1½ :3 (1 cement: 1½ coarse sand: 3 graded granitic or basaltic aggreate 20mm nominal size | cu.m | 7329.00 |
| 6038 |  | Reinforced cement concrete work in well steining excluding the cost of centering, shuttering, finishing and reinforcement with 1:2:4 (1 cement: 2 coarse sand: 4 graded granitic or basaltic aggreate 20mm nominal size | cu.m | 6672.00 |
| 6039 |  | Reinforced cement concrete work in vertical and horizontal fins individually or forming box louvers, facias and eaves boards upto floor five level excluding the cost of centering, shuttering, finishing and reinforcement with 1:1½ :3 (1 cement: 1:1½ coarse sand: 3 graded stone agg 20mm nominal size) | cu.m | 7735.00 |
| 6040 |  | Reinforced cement concrete work in vertical and horizontal fins individually or forming box louvers, facias and eaves boards upto floor five level excluding the cost of centering, shuttering, finishing and reinforcement with 1:2:4 (1 cement: 2 coarse sand: 4 graded stone agg 20mm nominal size) | cu.m | 7245.00 |
| 6041 |  | Reinforced cement concrete work(1:2:4) (1 cement: 2 coarse sand: 4 graded granitic or basaltic aggreate 20mm nominal size )in suspended floors, roofs,landings, shelves and their supports and balconies upto floor five level including finishing and plastering the ceiling with cement mortar (1:3) (1 cement: 3 fine sand) of thickness not exceeding 6mm to give a smooth and even surface but excluding the cost of centering and shuttering | cu.m | 8261.00 |
| 6042 |  | Reinforced cement concrete work (1:1½:3) (1 cement:1½ coarse sand: 3 graded granitic or basaltic aggreate 20mm nominal size)in suspended floors, roofs, landings, shelves and their supports and balconies upto floor five level including finishing and plastering the ceiling with C.M. (1:3) (1 cement: 3 fine sand) of thickness not exceeding 6mm to give a smooth and even surface but excluding the cost of centering and shuttering | cu.m | 8513.00 |
| 6043 |  | Reinforced cement concrete work 1:2:4 (1 cement: 2 coarse sand: 4 granitic or basaltic stone aggreate 20mm nominal size excluding plastering and cost of centering, shuttering & reinforcement, in sloping or battering surface (slabs, beams, louvers, etc) |  |  |
| i | Where inclination to the horizontal does not exceed 30° | cu.m | 6828.00 |
| ii | Where inclination to the horizontal exceeds 30° | cu.m | 6995.00 |
| 6044 |  | Reinforced cement concrete work 1:1½:3 (1 cement: 1½ coarse sand: 3 granitic or basaltic stone aggreate 20mm nominal size excluding plastering and cost of centering, shuttering & reinforcement, in sloping or battering surface (slabs, beams, louvers, etc) |  |  |
| i | Where inclination to the horizontal does not exceed 30° | cu.m | 7086.00 |
| ii | Where inclination to the horizontal exceeds 30° | cu.m | 7259.00 |
| 6045 |  | Centering & shuttering including Strutting, Propping & removal of forms for : |  |  |
| i | Foundations, Footings, Bases for columns | sq.m | 407.00 |
| ii | Vertical surfaces such as retaing walls, return walls, Partitions, walls (any thickness) including attached Pilasters, Buttresses, Plinth and string courses, Fillets and the like | sq.m | 479.00 |
| iii | Columns, Piers, Pillars, Aburments, Posts and struts (square rectangle polygon in plan) | sq.m | 598.00 |
| iv | Sides and Soffits of beams, Beam Haunchings, Cantilever, Girders, Bressumers and Lintels plinth beams not exceeding 1m in depth | sq.m | 412.00 |
| v | Sides and Soffits of beams, Beam Haunchings, Cantilever, Girders, Bressumers and Lintels plinth beams exceeding 1m in depth | sq.m | 527.00 |
| vi | Staircases (except spiral staircases) excluding landing | sq.m | 343.00 |
| vii | Spiral staircases including landing | sq.m | 431.00 |
| viii | Arches, domes, vaults upto 6.00 span | sq.m | 1313.00 |
| ix | Extra for arches, domes, shell roofs exceeding 6m. Span. | sq.m | 1921.00 |
| x | Domes, vaults, shell roofs having curved surface in both the directions. | sq.m | 2273.00 |
| xi | Chimneys & shafts | sq.m | 479.00 |
| xii | Well steining | sq.m | 476.00 |
| xiii | Suspended floors, roofs landings, shelves & their supports | sq.m | 644.00 |
| xiv | Vertical or horizontal fins individually forming box louvers or projected bands | sq.m | 678.00 |
| 6046 |  | Centering & shuttering including Strutting, Propping & removal of forms for sloping or battering surface (slabs, beams, louvers, etc) including folded plates |  |  |
| i | Where inclination to the horizontal does not exceed 30° requiring shuttering on the underside only | sq.m | 805.00 |
| ii | Where inclination to the horizontal exceeds 30° requiring shuttering on the underside & upperside if required (Only area of underside shall be measured for payment) | sq.m | 936.00 |
| iii | Columns, Pillars, Posts & struts (circular or curved in plan) | sq.m | 725.00 |
| iv | Cornices & Mouldings | sq.m | 647.00 |
| 6047 |  | Extra to be added for additional height in centering, shuttering where ever required with adequate bracing, propping etc. including cost of de- shuttering and de-centering at all levels, over a height of 3.5m, for every additional height of 1m or part thereof. (Plan area to be measured) Suspended floors, roofs, landings, beams and balconies (plan area to be measured) | sq.m | 297.00 |
| 6048 |  | Providing and laying RCC work 1:2:4 (1 cement coarse sand: 4 granitic or basaltic stone aggreate 20mm nominal size in chajjas not exceeding 15cms thickness upto 1st floor level including finishing and plastering the exposed surface with cement mortar 1:3 (1 cement: 3 fine sand) of thickness not exceeding 6mm to give an even surface throating & moulding, centering & shuttering complete but excluding cost for reinforcment | cu.m | 18900.00 |
| 6049 |  | RCC work 1:2:4 (1 cement: 2 coarse sand: 4 granitic or basaltic stone aggreate 20mm nominal size in chajjas exceding 15cms thickness upto 1st level including finishing and plastering the exposed surface with cement mortar 1:3 (1 cement: 3 fine sand) of thickness not exceeding 6mm to give an even surface throating & moulding, centering, shuttering but excluding cost of reinforcement | Cu.m. | 11615.00 |
| 6050 |  | Providing corrosion resistant steel CRS-50 bars of (SAIL, TATA, VIZAG, JSW Steel Ltd.)(Confirming to IS 1786 if 1985) for RCC work including bending, binding & placing in position in all the floors along with factory made precaste concrete cover blocks of specified s izes whose compressive strengthis not less than that of surrounding concrete in the structural member . | kg | 108.00 |
| 6051 |  | Providing Mild steel reinforcement bars of (SAIL, TATA. VIZAG, JSW Steel Ltd.) )(Confirming to IS 1786 of 1986) for RCC work including bending, binding & placing in position in all the floors along with the factory made precast concrete cover blocks of specified sizes whose compressive strength is not less than that of surrounding concrete in the structural member. | kg | 104.00 |
| 6052 |  | Providing TMT steel reinforcement bars of (SAIL, TATA. VIZAG, JSW Steel Ltd.) ) (Confirming to IS 1786 of 1986) for RCC work (conforming to I.S. 1786 of 1986) including bending, binding & placing in position in all the floors along with the factory made precast concrete cover blocks of specified sizes whose compressive strength is not less than that of surrounding concrete in the structural member. | kg | 105.00 |
| 6053 |  | Providing High yield strength steel reinforcement bar (HYSD)/TMT steel reinforcement bar from secondary producers(Confirming to IS 1786 of 1986) for RCC work including bending, binding & placing in position in all the floors along with the factory made precast concrete cover blocks of specified sizes whose compressive strength is not less than that of surrounding concrete in the structural member. | Kg | 87.00 |
| 6054 |  | Bending, binding & placing in position mild steel or TMTor High yield strength deformed reinforcment including cost of wire for binding but excluding cost of mild steel in R.C.C all the floors alongwith factory made precast concrete cover blocks of specified sizes whose compressive strength is not less than that of the surrounding concrete in the structural member. | Kg | 12.00 |
| 6055 |  | Extra for rendering smooth the top of the suspended floors, landing and staircase (treads and risers) with cement mortar 1:2 (1 cement: 2 coarse sand) including a floating coat of neat cement and protecting the surface with a layer if 7.5 cms of earth laid over 15mm layer of fine sand in case of suspended floor and bricks laid in mud mortar in landing of steps including subsequent removal and cleaning of the same | sq.m | 147.00 |
| 6056 |  | Applying cement slurry on RCC slab on cement concrete work using 2.75kgs of cement per sq.m for receiving cement concrete floor including roughening, cleaning, etc complete | sq.m | 33.00 |
| 6057 |  | Providing Pre-cast cement concrete jali 1:2:4 (1 cement: 2 coarse sand: 4 stone aggreate 6mm nominal size) reinforced with 1.6mm dia mild steel wire including centering and shuttering, roughening, cleaning, fixing and finishing in cement mortar 1:3 (1 cement: 3 fine snad) all complete excluding plastering of the jambs, sills and soffits |  |  |
| i | 50mm thick | sq.m | 2185.00 |
| ii | 40mm thick | sq.m | 2083.00 |
| iii | 25mm thick | sq.m | 1879.00 |
| 6058 |  | Providing and filling in position Bituminous filler of proportion 80kg of hot bitumen, 1kg of cement and 0.25 cu.m. of coarse sand for expansion joint | cm. depth/ cm. width/ 100m length | 331.00 |
| 6059 |  | Providing and fixing in position copper plate as per design for expansion joint | sq.m | 568.00 |
| 6060 |  | Smooth finishing of the exposed surface of RCC work with 6mm thick cement mortar 1:3 (1 cement: 3 fine sand) | sq.m | 180.00 |
| 6061 |  | Extra for laying Reinforced cement concrete in or under water and/or liquid mud including cost of pumping or bailing out water and removing slush etc. complete | cu.m per meter depth | 498.00 |
| 6062 |  | Extra for laying reinforced cement concrete in or under foul positions | cu.m | 210.00 |
| 6063 |  | Providing and fixing sheet covering over expansion joints with iron screws as per design to match the colour/shade of the wall treatment Non-Asbestos fibre cement board 6mm thick as per I.S. 14862 |  |  |
| i | 150mm wide | Metre | 122.00 |
| ii | 200mm wide | Metre | 157.00 |
| 6064 |  | Providing and fixing G.I. sheet of 26 S.W.G. for using in construction/Expansion joint wherever necessary as per directions of the Engineer-in-Charge. | Metre | 533.00 |
| 6065 |  | Providing and laying in position machine batched concrete (BMC), machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete work including pumping of concrete to the site of laying but excluding the cost of centering , shuttering, finishing and reinforcement including admixtures in recommended proportions as per IS 9103 to accelerate, retard setting of concrete, improve workability without impairing the strength and durability as per the direction of the Engineer-in-charge. M25 grade of reinforced cement conrete by using 410kg of cement per cu.m. of concrete. All works upto floor V level. | cu.m | 8058.00 |
| 6066 |  | Deduct for providing leaner mixes respectively at all floor levels |  |  |
| i | Providing M-15 grade concrete by using 325kgs of cement per cu.m of concrete instead of M-25 grade of B.M.C. | cu.m | 660.00 |
| ii | Providing M-20 grade concrete by using 400kgs of cement per cu.m of concrete instead of M-25 grade of B.M.C. | cu.m | 82.00 |
| 6067 |  | Add for providing richer or leaner mixes respectively at all floor levels |  |  |
| i | Providing M-30 grade concrete by using 420kgs of cement per cu.m. of concrete instead of M-25 grade of B.M.C. | cu.m | 82.00 |
| ii | Providing M-35 grade concrete by using 428kgs of cement per cu.m. of concrete instead of M-25 grade of B.M.C. | cu.m | 146.00 |
| iii | Providing M-40 grade concrete by using 435kgs of cement per cu.m. of concrete instead of M-25 grade of B.M.C. | cu.m | 206.00 |
| 6068 |  | Deduct for using less cement than the quality as provided in the item of batch mix concrete as arrived as per the mix design | Tones | 762.00 |
| 6069 | a | Providing and laying in position ready mixed concrete (RMC) with usage of **Ordinary Portland Cement** manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead upto 10kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C., from the transit mixer to the site of laying, excluding the cost of centering, shuttering, finishing and reinforcement including the cost of admixtures in recommended porportions as per IS : 9103 to accelerate/retard setting of concrete, improve workability without imparing strength and durability as per the directions of the engineer-in-charge. All works upto floor V level |  |  |
| i | M-10 grade of concrete | cu.m | 7691.00 |
| ii | M-15 grade of concrete | cu.m | 8016.00 |
| iii | M-20 grade of concrete | cu.m | 8223.00 |
| iv | M-25 grade of concrete | cu.m | 8440.00 |
| v | M-30grade of concrete | cu.m | 8874.00 |
| vi | M-35 grade of concrete | cu.m | 8983.00 |
| vii | M-40 grade of concrete | cu.m | 9200.00 |
|  |  |  |  |  |
| 6069 | c | Providing and laying in position ready mixed concrete (RMC) with usage of Ground Granulated Blast Furnace Slag **(GGBS)** as per IS 12089 and IS456-2000 manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead upto 10kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C., from the transit mixer to the site of laying, excluding the cost of centering, shuttering, finishing and reinforcement including the cost of admixtures in recommended porportions as per IS : 9103 to accelerate/retard setting of concrete, improve workability without imparing strength and durability as per the directions of the engineer-in-charge. All works upto floor V level |  |  |
| i | M-10 grade of concrete | cu.m | 7240.00 |
| ii | M-15 grade of concrete | cu.m | 7636.00 |
| iii | M-20 grade of concrete | cu.m | 7843.00 |
| iv | M-25 grade of concrete | cu.m | 8067.00 |
| v | M-30grade of concrete | cu.m | 8548.00 |
| vi | M-35 grade of concrete | cu.m | 8657.00 |
| vii | M-40 grade of concrete | cu.m | 8939.00 |
| 6069 | d | Providing and laying in position ready mixed concrete (RMC) **High Performance Concrete** per MORTH clause 1715 manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead upto 10kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C., from the transit mixer to the site of laying, excluding the cost of centering, shuttering, finishing and reinforcement including the cost of admixtures in recommended porportions as per IS : 9103 to accelerate/retard setting of concrete, improve workability without imparing strength and durability as per the directions of the engineer-in-charge. All works upto floor V level |  |  |
| i | M-10 grade of concrete | cu.m | 7962.00 |
| ii | M-15 grade of concrete | cu.m | 8288.00 |
| iii | M-20 grade of concrete | cu.m | 8494.00 |
| iv | M-25 grade of concrete | cu.m | 8711.00 |
| v | M-30grade of concrete | cu.m | 9146.00 |
| vi | M-35 grade of concrete | cu.m | 9374.00 |
| vii | M-40 grade of concrete | cu.m | 9591.00 |
| 6070 |  | Extra for RCC with B.M.C/R.M.C work (with pump) above floor five level for each four floors or part thereof | cu.m | 293.00 |
| 6071 |  | Extra for carriage of R.M.C. beyond the initial lead of 10 kms. | cu.m./km | 47.00 |
| 6072 |  | Providing & applying Rustonil (P.no.569) or equivalent for removing rust & phospating of steel structures or steel reinforcement in RCC to be applied in 1 coat it necessary then 2nd coat) before application of bonding agent. | sq.m | 369.00 |
| 6073 |  | Extra for reinforced concrete work in super structure above floor five level for every four floors or part there of. | cu.m | 702.00 |
| 6074 |  | Extra for shuttering in circular work | sq.m | 20% |
| 6075 |  | Providing and fixing precast reinforced concrete door frames of ASTRA make or equivalent in M25 grade concrete and reinforced with minimum three bars of 6 mm dia and confirming to IS:6523. The frames shall be manufactured in approved factory with all the necessary arrangements for fixing hinges, tower bolts by way of inserted PVC blocks and holes for receiving sliding bolts as specified. Sectional size of frame with single rebate : 60X 100 mm |  |  |
| i | 2100 X 750 mm | Metre | 368.00 |
| ii | 2100 X 900 mm | Metre | 366.00 |
| iii | 2100 X 1000 mm | Metre | 365.00 |
| iv | 2050 X 750 mm | Metre | 369.00 |
| v | 2050 X 900 mm | Metre | 367.00 |
| vi | 2050 X 1000 mm | Metre | 366.00 |
| 6076 |  | Providing and laying reinforced cement concrete of grade M-25 (Mix design) with coarse sand & graded granatic or basaltic stone Aggregate 20 mm nominal size as per mix design requirment excluding plastering & cost of centering/shuttering & reinforcement. including admixtures in recommended proportions as per IS 9103 to accelerate, retard setting of concrete, improve workability without impairing the strength and durability as per the direction of the Engineer in charge. M-25 grade of reinforced cement concrete by using 410 kg of cement per cu.m of concrete. All works upto floor five level. | cu.m | 7624.00 |
| 6077 |  | Providing Concrete additive to enhance strength and durability of concrete by mixing in to concrete with ultra-fine additive such as Alccofine 1203 manufactured by*M/s. Counto Microfine Products Pvt Ltd. or Equivalent*Goa or equivalent to improve the properties of concrete such as strength and durability. Ultra-fine additive shall have the Particle Size Distribution of d90 <9microns and d50 <5microns. Such material shall comply to IS 1727 for cement reactivity test and ASTM C1240 for accelerated pozzolanic activity test. Addition rate shall be 25 kg per cubic meter for all grades of concrete. | Kg/Cu.m | 675.00 |
| 6078 |  | Providing & Applying Curing Compound AC-CURE-R (Resin based curing compound) or equivalent @ 1.82 KG per 10 Sq.m on concrete surface conforming to ASTM: C- 309,BS:7542,BS: 8110 Part 1 complete and as per the direction of Engineer in-Charge. | Kg. | 96.00 |
| 6079 |  | Providing Fusion Bonded Epoxy Coated TMT steel reinforcement bars Fe-500 Grade (Confirming to IS 1786:2008 & IS 13620:1993) for RCC work including bending, binding & placing in position at all the floors along with the factory made precast concrete cover blocks of specified sizes whose compressive strength is not less than that of surrounding concrete in the structural member. | kg | 118.00 |

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| **CHAPTER X** | | | | |
| **WOOD WORK** | | | | |
| **SR. NO** | | **DESCRIPTION** | **UNIT** | **RATE** |
| 7001 |  | Providing woodwork in frames of doors, windows, clerestory windows trusses & other frames wrought framed and fixed in positon. |  |  |
| a | First class Indian teak wood | cu.m | 194210.00 |
| b | Second class Indian teak wood | cu.m | 167470.00 |
| c | First class matti wood | cu.m | 121175.00 |
| d | Second class matti wood | cu.m | 108792.00 |
| 7002 |  | Providing wood work in frames of false ceiling, partitions etc., sawn and put up in position. |  |  |
| a | Second class matti wood | cu.m | 104851.00 |
| 7003 |  | Providing and fixing woodwork wrought, framed and fixed in position in purlins common rafters, bressumers, wall plates joists and the like in roof work. |  |  |
| a | Second class Indian teak wood | cu.m | 153068.00 |
| b | First class matti wood | cu.m | 111678.00 |
| c | Second class matti wood | cu.m | 99332.00 |
| 7004 |  | Providing & fixing 20 mm caves barge broads 1st class matti wood | sq.m | 3489.00 |
| 7005 |  | Providing & fixing 20 mm caves barge boards 2nd class matti wood | sq.m | 3256.00 |
| 7006 |  | Providing and fixing 50 mm thick panelled glazed or panelled and glazed shutters for doors, windows and clerestory window including anodized aluminium butt hinges with necessary screws: |  |  |
| a | First class Indian teak wood | sq.m | 9767.00 |
| b | Second class Indian teak wood | sq.m | 8386.00 |
| 7007 |  | Providing and fixing 44 mm. thick panelled, glazed or panelled and glazed shtters for doors, windows and clestory windows including anoodized aluminium butt hinges with necessary screws. |  |  |
| a | Second class Indian teak wood | sq.m | 7533.00 |
| 7008 |  | Providing and fixing 38 mm thick panelled glazed or panelled and glazed shutters for doors, windows and clerestory window including anodized aluminium butt hinges with necessary screws: |  |  |
| a | Second class Indian teak wood | sq.m | 7022.00 |
| 7009 |  | Providing and fixing 38 mm thick panelled glazed or panelled and glazed shutters for doors, windows and clerestory window including black enamelled iron butt hinges with necessary screws: |  |  |
| a | Second class Indian teak wood | sq.m | 6849.00 |
| b | Nano or equivalent | sq.m | 3306.00 |
| 7010 |  | Providing and fixing 35 mm thick panelled glazed or panelled and glazed shutters for doors, windows and clerestory window including anodized aluminium butt hinges with necessary screws: |  |  |
| a | First class Indian teak wood | sq.m | 7813.00 |
| b | Second class Indian teak wood | sq.m | 6662.00 |
| 7011 |  | Providing and fixing 35 mm thick panelled glazed or panelled and glazed shutters for doors, windows and clerestory window including black enameled iron butt hinges with necessary screws: |  |  |
| a | Second class Indian teak wood | sq.m | 6481.00 |
| b | Nano or equivalent | sq.m | 3164.00 |
| 7012 |  | Deduct if 38 mm or 35 mm thick fixed shutters (without hinges are provided instead of openable shutters for doors, windows or clerestory windows with: |  |  |
| a | Anodised aluminium butt hinges with necessary screws : |  |  |
|  | For second class teak wood and other inferior class of wood shutters. | sq.m | 330.00 |
| b | Black enamelled iron hinges with necessary screws | sq.m | 140.00 |
| 7013 |  | Providing and fixing 25 mm thick panelled and glazed shutters for cupboards etc. in 2 nd class indian teak wood including anodised butt hinges with necessary screws. | sq.m | 5413.00 |
| 7014 |  | Providing and fixing 25 mm thick panelled glazed or panelled and glazed shutters for cupboards etc. including black enamelled iron hinges with necessary screws. |  |  |
| a | Second class Indian teak wood | sq.m | 5237.00 |
| b | Nano or equivalent | sq.m | 2927.00 |
| 7015 |  | Extra for superior type of glass panes used instead of ordinary glass panes in glazed or panelled and glazed doors, windows, clerestory windows (total area of shutters to be measured). | sq.m | 116.00 |
| 7016 |  | Providing & fixing flush door shutters decoration type core of block board construction with frame of first class hard wood and well matched first class Indian teak ply veneering with vertical grains and cross bands and face veneers on both faces of shutters. |  |  |
| a | 40 mm thick including anodized aluminium butt hinges with necessary screws: | sq.m | 4226.00 |
| b | 35mm thick including anodized aluminium butt hinges with necessary screws: | sq.m | 3809.00 |
| c | 30 mm thick including anodized aluminium butt hinges with necessary screws: | sq.m | 3340.00 |
| d | 25 mm thick (for cupboard) including nickle plated bright finished M.S. piano hinges with necessary screws. | sq.m | 3011.00 |
| 7017 |  | Providing and fixing flush doors shutters commercial type, core of block board construction with frame of first class hard wood and well matched commercial ply veneering and vertical grains or cross bands and face veneers on the both other faces of shutters. |  |  |
| a | 40 mm thick including anodized aluminium butt hinges with necessary screws: | sq.m | 3381.00 |
| b | 35mm thick including anodized aluminium butt hinges with necessary screws: | sq.m | 2763.00 |
| c | 30 mm thick including anodized aluminium butt hinges with necessary screws: | sq.m | 2453.00 |
| d | 25 mm thick (for cupboard) including nickle plated bright finished M.S. piano hinges with necessary screws. | sq.m | 1913.00 |
| 7018 |  | Providing and fixing flush door shutters, core of block board construction with frame of first class hard wood and well matched first class Indian teak ply veneering with vertical grains or cross band and face veneers on one face and commercial ply venerring with vertical grains or cross bands and face veneer on other face of shutters. |  |  |
| a | 40 mm thick including anodized aluminium butt hinges with necessary screws: | sq.m | 3028.00 |
| b | 35mm thick including anodized aluminium butt hinges with necessary screws: | sq.m | 2763.00 |
| c | 30 mm thick including anodized aluminium butt hinges with necessary screws: | sq.m | 2453.00 |
| d | 25 mm thick (for cupboard) including nickle plated bright finished M.S. piano hinges with necessary screws. | sq.m | 1913.00 |
| 7019 |  | Providing and fixing flush door shutters decorative type core of particle board (medium density) construction with frame of first class hard wood and well matched teak ply veneering with vertical grains or cross bands and face veneer on both faces of shutters. |  |  |
| a | 25 thick (for cupboard) including nickle plated bright finished M.S. piano hinges with necessary screws. | sq.m | 1913.00 |
| 7020 |  | Providing and fixing flush doors shutters commercial type, core of block board construction with frame of first class hard wood and well matched commercial ply veneering and vertical grains or cross bands and face veneers on the both faces of shutters. |  |  |
| a | 40 mm thick including anodized aluminium butt hinges with necessary screws: | sq.m | 4921.00 |
| b | 35mm thick including anodized aluminium butt hinges with necessary screws: | sq.m | 4505.00 |
| c | 30 mm thick including anodized aluminium butt hinges with necessary screws: | sq.m | 4055.00 |
| d | 25 mm thick (for cupboard including nickle plated bright finished M.S. piano hinges with necessary screws. | sq.m | 3717.00 |
| 7021 |  | Providing and fixing flush door shutter core of particle board (medium density) construction with frame of first class hard wood and well matched first class Indian teak ply veneering with vertical grains or cross band and face veneer on one face & commercial ply veneering with vertical grain |  |  |
| a | 40 mm thick including anodized aluminium butt hinges with necessary screws: | sq.m | 4087.00 |
| b | 35mm thick including anodized aluminium butt hinges with necessary screws: | sq.m | 3469.00 |
| c | 30 mm thick including anodized aluminium butt hinges with necessary screws: | sq.m | 3159.00 |
| d | 25 mm thick (for cupboard) including nickle plated bright finished M.S. piano hinges with necessary screws. | sq.m | 2619.00 |
| 7022 |  | Providing and fixing flush door decorative type cellular core construction with frame of first class hard wood and well matched first class Indian teak ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. |  |  |
| a | 40 mm thick including anodized aluminium butt hinges with necessary screws: | sq.m | 2965.00 |
| b | 35mm thick including anodized aluminium butt hinges with necessary screws: | sq.m | 2775.00 |
| c | 30 mm thick including anodized aluminium butt hinges with necessary screws: | sq.m | 2996.00 |
| d | 25 mm thick (for cupboard) including nickle plated bright finished M.S. piano hinges with necessary screws. | sq.m | 2367.00 |
| 7023 |  | Providing and fixing flush doors shutters commercial type, cellular core construction with frame of first class hard wood and well matched commercial play veneering and vertical grains or cross bands and face veneers on the both other faces of shutters. |  |  |
| a | 40 mm thick including anodized aluminium butt hinges with necessary screws: | sq.m | 3346.00 |
| b | 35mm thick including anodized aluminium butt hinges with necessary screws: | sq.m | 3153.00 |
| c | 30 mm thick including anodized aluminium butt hinges with necessary screws: | sq.m | 2965.00 |
| d | 25 mm thick (for cupboard) including nickle plated bright finished M.S. piano hinges with necessary screws. | sq.m | 2976.00 |
| 7024 |  | Providing and fixing flush door shutters of cellular core construction with frame of first class hardwood and well matched first class Indian teak ply veneering with vertical grains or cross band and face cover on one face and commercial ply veneering with vertical grain or cross band and face veneer an other face of shutter. |  |  |
| a | 40 mm thick including anodized aluminium butt hinges with necessary screws: | sq.m | 2459.00 |
| b | 35mm thick including anodized aluminium butt hinges with necessary screws: | sq.m | 2838.00 |
| c | 30 mm thick including anodized aluminium butt hinges with necessary screws: | sq.m | 2712.00 |
| d | 25 mm thick (for cupboard) including nickle plated bright finished M.S. piano hinges with necessary screws. | sq.m | 2190.00 |
| 7025 |  | Providing & fixing flush door shutters of solid core construction with plywood panel fixed on either side of the shutters alongwith polymer sheet overlaid on the exterior surface (wooden or equivalent ) as per manufacturers specifications with second class Indian teak wood lipping (not less than 6 mm thick) all round 30 mm thick shutter with bright finished brass hinges 100 x 70 x 4 mm with brass screws. | sq.m | 3422.00 |
| 7026 |  | Providing and fixing factory made panel doors made of kiln seasoned and preservative treated hardwood & rails vertical stiles & top rail of 100 mm width, bottom rails and lock rail of 175 mm, width & panels made of 12 mm thick both sides commercial, veneered teakwood particle board blended with formal dehyde phenol synthetic resin adhesive conforming to I.S. 3097 of 1965 |  |  |
| a | 40 mm thickness with anodised aluminium hinges (100 x 75 x 4mm) with C.P. brass screws. | sq.m | 3293.00 |
| b | 35 mm thickness with anodised aluminium hinges (100 x 75 x 4mm) with C.P. brass screws. | sq.m | 3605.00 |
| c | 30 mm thickness with anodised aluminium hinges (100 x 75 x 4mm) with C.P. brass screws. | sq.m | 3542.00 |
| 7027 |  | Extra for providing vision panel not exceeding 0.1 sq.m. in all types of flush doors (cost of glass excluded). |  |  |
| a | Rectangular or square Unit: SQ.M. door area | sq.m | 70.00 |
| b | Circular : Unit : SQ.M.door area | sq.m | 73.00 |
| 7028 |  | Extra if louvers not exceeding 0.2 sq.m. are provided in flush door shutters. |  |  |
|  | a | Decorative type door. Unit: SQ.M. door area. | sq.m | 56.00 |
|  | b | Commercial type door : Unit: SQ.M. door area | sq.m | 38.00 |
| 7029 |  | Extra for cutting rebate in flush door shutter (total area of the door to be measured) | sq.m | 42.00 |
| 7030 |  | Providing and fixing 38 mm thick battened and framed door shutters including bright finished or and black enamelled iron hinges with necessary screws. |  |  |
| a | Second class Indian teak wood | sq.m | 6211.00 |
| b | Nano or equivalent | sq.m | 2978.00 |
| 7031 |  | Providing and fixing 19 mmthick battened door and window shutters with necessary ledges and braces (25 mm) including bright finished or and black enamelled iron hinges with necessary screws. |  |  |
| a | Second class Indian teak wood | sq.m | 6180.00 |
| b | Nano or equivalent | sq.m | 2373.00 |
| 7033 |  | Providing and fixing 38 mm thick wire gauze shutters, using galvanized m.s. wire gauze of i..s. gauze designation 85 g with wire of dia 0.71mm for doors, windows and clerestory windows including M.S oxidized butt hinges and necessary with necessary screws. |  |  |
| a | Second class Indian teak wood | sq.m | 5169.00 |
| 7034 |  | Providing and fixing 30 mm thick wire gauze shutters, using galvanized m.s. wire gauze of i..s. gauze designation 85 g with wire of dia 56 mm for doors, windows and clerestory windows including anodized aluminium butt hinges and necessary with necessary screws. |  |  |
| a | Second class Indian teak wood | sq.m | 4923.00 |
| 7035 |  | Providing and fixing 30 mm thick wire gauze shutters, using galvanized m.s. wire gauze of i..s. gauze designation 85 g with wire of dia 0.56 mm for doors, windows and clerestory windows including bright finished or/and black enamelled iron hinges with necessary screws. |  |  |
| a | Second class Indian teak wood | sq.m | 3935.00 |
| 7036 |  | Providing and fixing 38 mm thick louvered shutters with fixed or movable venetians 12 mm thick for windows including bright finished or and black enamelled, iron hinges with necessary screws. |  |  |
| a | Second class Indian teak wood | sq.m | 6366.00 |
| 7037 |  | Providing and fixing louvers 50 mm wide in grooves in clerestory window frames excluding the cost of frames. |  |  |
| a | Second class Indian teak wood 12 mm thick | sq.m | 3019.00 |
| b | Glass sheets 3 mm thick | sq.m | 958.00 |
| c | Frosted glass sheets 3mm thick | sq.m | 1361.00 |
| 7038 |  | Providing and fixing plain jaffri of 38 mm x 12 mm laths placed 38 mm apart (frame to be paid separately) including fixing 50 mm x 12 mm beading complete with. | . |  |
| a | Nano or equivalent | sq.m | 1899.00 |
| b | Second class Indian teak wood | sq.m | 3336.00 |
| 7039 |  | Providing & fixing half split coconut wood rafters purlins, ridges, bressumers, wall plates and like in the roof work including splitting chipping planing, chiselling etc. complete; | Metre | 162.00 |
| 7040 |  | Providing & fixing 1/3rd split (one third) coconut wood rafters, purlins, bressumers and like in the roof work including splitting, chipping, planing, chiselling etc. complete. | Metre | 134.00 |
| 7041 |  | Providing and fixing compound gates as per standard design including M.S. straps, clamps pintals sets with pin clamps fixed in cement concrete blocks 50 x 30 x 20 cm of 1:3:6 mix aggregate 20 mm nominal size complete with |  |  |
| a | Second class Indian teak wood | sq.m | 6862.00 |
| b | Nano or equivalent | sq.m | 3217.00 |
| 7042 |  | Providing 2nd class 50 x 50 x 50 mm Indian teak wood plugs including cutting brickwork and fixing in cement mortar 1:3 (1 cement: 3 fine sand) | Each | 32.00 |
| 7043 |  | Providing and fixing 4 mm thick plywood plain lining with necessary screws, priming coat on unexposed surface etc. complete with |  |  |
| a | Marine ply facing of approved manufacture | sq.m | 1330.00 |
| b | Commercial ply facing of approved manufacture | sq.m | 1188.00 |
| 7044 |  | Providing and fixing first class Indian teak wood moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surfaces etc. |  |  |
| a | 50 x 12 mm | Metre | 202.00 |
| 7045 |  | Providing & fixing 12 mm thick & 100 mm wide pelmet with 25 mm diameter, wooden curtain rod and bracket including fixing within 25 x 3 mm flat 10 cm long and plugs etc. complete. |  |  |
| a | First class Indian teak wood | Metre | 888.00 |
| b | Second class Indian teak wood | Metre | 568.00 |
| 7046 |  | Providing and fixing curtain rods of 1.25 mm thick anodized aluminium plates brackets in pelment instead of wooden curtain rods of 25 mm diameter and brackets (actual length of rods to be measured). |  |  |
| a | 12 mm dia. | Metre | 470.00 |
| 7047 |  | Providing and fixing in partition 4 mm thick with Marine plywood of approved quality including fixing in frames with brass screws etc. complete with 50 x 12 mm First class Indian teak wood beading (frame to be paid separately). | sq.m | 1183.00 |
| 7048 |  | Providing and fixing plain asbestos cement sheet 4 mm thick in partition including fixing to frames with brass screws etc. complete with 50 x 12 nano wood beading (frames to be paid separately). | sq.m | 574.00 |
| 7049 |  | Providing and fixing in partition 4 mm thick Commercial plywood of approved quality including fixing in frames with brass screws etc. complete with 50 x 12 mm second class Indian teak wood beading (frame to be paid separately). | sq.m | 633.00 |
| 7050 |  | Providing flat iron hold fast 40 cm including fixing to frame with 10 mm dia bolts, nuts and wooden plugs and embeded in cement concrete block 30 x 10 x 15 cm 1:3:6 mix (1 cement: 3 coarse sand: 6 stone aggregate 20 mm nominal size. |  |  |
| a | 40 x 3 mm flat iron hold fast 40 cm long | Each | 139.00 |
| b | 40 x 3 mm flat iron hold fast, 15 cm long | Each | 99.00 |
| 7051 |  | 25 mm thick wooden shelves supported on 40 x 40 x 6 mm T or L iron brackets fixed at suitable distances but not exceeding 7 cm apart in 7.5 x 7.5 x 15 cm blocks of cement concrete mix 1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm.nominal size) with |  |  |
| a | Second class Indian teak wood | sq.m | 5689.00 |
| b | Nano or equivalent | sq.m | 2990.00 |
| 7052 |  | Providing and fixing M.S. round or square bars at required spacing in wooden frames of windows and clerestory windows. | kg | 108.00 |
| 7053 |  | Providing and fixing M.S. round or square bars with M.S. flats at required spacings in wooden frames of windows & clerestory windows. | kg | 104.00 |
| 7054 |  | Providing and fixing M.S. grill of required pattern in wooden frames of Windows etc. with M.S. flats square or round bars with round headed bolts and nuts or by by screws. |  |  |
| a | Plain grill | kg | 142.00 |
| b | Ornamental grill | kg | 190.00 |
| 7055 |  | Providing and fixing expanded metal 20 x 60 mm strands 3.25 mm wide & 1.6 mm thick for windows etc. including 62 x 19 mm beading of second class Indian Teak Wood. | sq.m | 1120.00 |
| 7056 |  | Providing and fixing fly proof galvanized M.S. wire gauge of I.S. gauge designation 140 g. with wire of dia. 0.56 mm to windows and clerestory windows including 62 x 19 mm beading of second class Indian wood . | sq.m | 1108.00 |
| 7057 |  | Providing beams including hoisting fixing in position & applying wood preservative for unexposed surfaces etc. complete with. |  |  |
| a | First class matti wood | cu.m | 115706.00 |
| 7058 |  | Providing joist (karries) including hoisting, fixing in position and applying wood preservative on unexposed surface etc. complete with. |  |  |
| b | First class matti wood | cu.m | 111138.00 |
| 7059 |  | Providing and fixing jungle wood ballies in posts, purlins rafters posts plates etc. including cast iron nails & spikes required and applying wood preservative on all exposed surfaces. |  |  |
| a | 80 mm dia | Metre | 67.00 |
| b | 100 mm dia. | Metre | 81.00 |
| c | 125 mm dia. | Metre | 125.00 |
| d | 150 mm dia. | Metre | 151.00 |
| 7060 |  | Providing and fixing jungle wood ballies in trusses including cost of iron nails and spikes required and applying wood preservative on all exposed surfaces. |  |  |
| a | 80 mm dia | Metre | 115.00 |
| b | 100 mm dia. | Metre | 121.00 |
| c | 125 mm dia. | Metre | 157.00 |
| d | 150 mm dia. | Metre | 174.00 |
| 7061 |  | Providing and fixing bright finished brass butt hinges with necessary screws etc complete |  |  |
| a | 125 x 70 x 4 mm (ordinary type) | Each | 426.00 |
| b | 100 x 70 x 4 mm (ordinary type) | Each | 312.00 |
| c | 75 x 40 x 2.5mm (ordinary type) | Each | 167.00 |
| d | 50 x 40 x 2.5mm (ordinary type) | Each | 108.00 |
| 7062 |  | Providing and fixing bright finished brass parliamentary hinges with necessary screws etc complete |  |  |
| a | 100 x 125 x 27 mm x 5 mm | Each | 877.00 |
| b | 75 x 100 x 20 x 3.2 mm | Each | 728.00 |
| 7063 |  | Providing and fixing bright finished brass single acting spring hinges with necessary screws etc complete |  |  |
| a | 150 mm | Each | 854.00 |
| b | 125 mm | Each | 720.00 |
| c | 100 mm | Each | 661.00 |
| 7064 |  | Providing and fixing bright finished brass double acting spring hinges with necessary screws etc complete |  |  |
| a | 150 mm | Each | 1159.00 |
| b | 125 mm | Each | 983.00 |
| c | 100 mm | Each | 866.00 |
| 7065 |  | Providing and fixing bright finished brass rising hinges with necessary screws etc complete (left or right) |  |  |
| a | 150 mm | Each | 467.00 |
| b | 125 mm | Each | 350.00 |
| c | 100 mm | Each | 303.00 |
| 7066 |  | Providing and fixing bright finished brass sliding door bolts with nuts and screws etc complete |  |  |
| a | 300 x 16 mm | Each | 1791.00 |
| b | 250 x 16 mm | Each | 1497.00 |
| 7067 |  | Providing and fixing bright finished brass tower bolts (barrel type) with screws etc. complete |  |  |
| a | 250 x 10 mm | Each | 572.00 |
| b | 200 x 10 mm | Each | 453.00 |
| c | 150 x 10 mm | Each | 345.00 |
| d | 100 x 10 mm | Each | 258.00 |
| 7068 |  | Providing and fixing bright finished brass flush bolts with necessary screws etc complete |  |  |
| a | 250 mm | Each | 525.00 |
| b | 150 mm | Each | 345.00 |
| c | 100 mm | Each | 269.00 |
| 7069 |  | Providing and fixing bright finished brass handles with necessary screws etc complete |  |  |
| a | 125 mm | Each | 169.00 |
| b | 100 mm | Each | 128.00 |
| 7070 |  | Providing and fixing bright finished brass door latch with necessary screws etc complete |  |  |
| a | 300x 16 x 5 mm | Each | 1716.00 |
| b | 250 x 16 x 5 mm | Each | 1599.00 |
| 7071 |  | Providing & fixing bright finished brass 100 mm. mortice latch & lock & a pair of levers, handles with necessary screws etc. complete (Indian make of approved quality). | Each | 2625.00 |
| 7072 |  | Providing & fixing bright finished brass 100 mm. rim latch & lock & a pair of knob, with necessary screws etc. complete (Indian make of approved quality). | Each | 2273.00 |
| 7073 |  | Providing and fixing 50-mm. bright finished brass cupboard or wardrobe knob. | Each | 295.00 |
| 7074 |  | Providing and fixing 150 mm. bright finished brass floor door stopper with rubber cushion screws etc. to suit shutter thickness complete. | Each | 395.00 |
| 7075 |  | Providing and fixing bright finished brass hard drawn hooks and eyes. |  |  |
| a | 300 mm | Each | 219.00 |
| b | 250 mm | Each | 210.00 |
| c | 200 mm | Each | 201.00 |
| d | 150 mm | Each | 184.00 |
| e | 100 mm | Each | 175.00 |
| 7076 |  | Providing and fixing bright finished brass quadrant stays with necessary screws etc. complete | Each | 386.00 |
| 7077 |  | Providing and fixing bright finished brass fan light catch with necessary screw etc. complete | Each | 68.00 |
| 7078 |  | Providing and fixing bright finished brass ball catcher 10 mm dia. | Each | 49.00 |
| 7079 |  | Providing and fixing 300 mm long bright finished brass chain with hooks for fan light including necessary screws etc.complete. | Each | 31.00 |
| 7080 |  | Providing and fixing bright finished brass hasp and staples (safety type) with necessary screws etc. complete. |  |  |
| a | 150 mm | Each | 164.00 |
| b | 115 mm | Each | 119.00 |
| c | 90 mm | Each | 112.00 |
| 7081 |  | Providing and fixing 65 x 35 mm. special quality bright finished brass cupboard locks with six levers of reputed firms such as Godrej or equivalent including necessary screws etc. complete. | Each | 578.00 |
| 7082 |  | Providing and fixing bright finished brass helical door spring superior quality. | Each | 655.00 |
| 7083 |  | Providing and fixing brass hydraulic door closer of make Everest universal 68 or equivalent with necessary screws and fittings complete. | Each | 2102.00 |
| 7084 |  | Providing and fixing chromium plated brass butt hinges with necessary screws etc. complete |  |  |
| a | 125 x 70 x 4.0mm (ordinary type) | Each | 486.00 |
| b | 75 x 40 x 2.5 mm (ordinary type) | Each | 185.00 |
| c | 50 x 40 x 2.5 mm (ordinary type) | Each | 127.00 |
| 7085 |  | Providing and fixing chromium plated brass parliamentary hinges with necessary screws etc. complete |  |  |
| a | 100 x 125 x 27 x 5 mm | Each | 916.00 |
| b | 75 x 100 x 20 x 3.2 mm | Each | 772.00 |
| 7086 |  | Providing and fixing chromium plated brass single action spring hinges with necessary screws etc. complete |  |  |
| a | 150 mm. | Each | 844.00 |
| b | 125mm | Each | 803.00 |
| c | 100 mm | Each | 694.00 |
| 7087 |  | Providing and fixing chromium plated brass double acting spring hinges with necessary screws etc. complete. |  |  |
| a | 150 mm | Each | 1243.00 |
| b | 125mm | Each | 1067.00 |
| c | 100mm | Each | 929.00 |
| 7088 |  | Providing and fixing chromium plated brass rising hinges with necessary screws etc. complete. (right or left) |  |  |
| a | 150 mm | Each | 492.00 |
| b | 125 mm | Each | 375.00 |
| c | 100 mm | Each | 307.00 |
| 7089 |  | Providing and fixing chromium plated brass sliding door bolt with bolts, nuts and screws etc. complete. |  |  |
| a | 300 x 16 mm | Each | 1284.00 |
| b | 250 x 16 mm | Each | 1074.00 |
| 7090 |  | Providing and fixing chromium plated brass tower (barrel type) with necessary screws etc. complete |  |  |
| a | 300 x 16 x 5 mm | Each | 1847.00 |
| b | 250 x 16 x 5 mm | Each | 1589.00 |
| 7091 |  | Providing & fixing chromium plated brass tower bolts (barrel type) with necessary screws complete. |  |  |
| a | 250 x 10 mm | Each | 616.00 |
| b | 200 x 10 mm | Each | 494.00 |
| c | 150 x 10 mm | Each | 373.00 |
| d | 100 x 10 mm | Each | 291.00 |
| 7092 |  | Providing and fixing chromium plated brass flush bolts with necessary screws etc. complete |  |  |
| a | 250 mm | Each | 562.00 |
| b | 150 mm | Each | 354.00 |
| c | 100 mm | Each | 277.00 |
| 7093 |  | Providing and fixing chromium plated brass handle with necessary screws etc. complete |  |  |
| a | 125 mm | Each | 193.00 |
| b | 100 mm | Each | 158.00 |
| c | 75 mm | Each | 126.00 |
| 7094 |  | Provided and fixing chromium plated brass 100 mm. mortice latch and a pair of levers and handles with necessary screws etc. complete (Indian make of approved quality). | Each | 2701.00 |
| 7095 |  | Provided and fixing chromium plated brass 100-mm. rim latch and lock and a pair of knobs with necessary screws etc. complete (Indian make of approved quality). | Each | 2697.00 |
| 7096 |  | Providing and fixing chromium plated brass 50 mm cupboard or wardrobes knobs with nuts complete | Each | 46.00 |
| 7097 |  | Provided and fixing 150 mm chromium plated brass floor door stopper with rubber cushion screws etc. to suit shutters thickness complete. | Each | 402.00 |
| 7098 |  | Providing and fixing chromium plated brass hard drawn hooks and eyes | Each |  |
| a | 300 mm. Unit: per hook and eye | Each | 237.00 |
| b | 250 mm. Unit: per hook and eye | Each | 225.00 |
| c | 200 mm. Unit: per hook and eye | Each | 213.00 |
| d | 150 mm. Unit: per hook and eye | Each | 188.00 |
| e | 100 mm. Unit: per hook | Each | 184.00 |
| 7099 |  | Providing and fixing chromium plated brass hasp and staple (safety type) with necessary screws etc. complete |  |  |
| a | 150 mm | Each | 94.00 |
| b | 115 mm | Each | 73.00 |
| 7100 |  | Providing and fixing 65 x 35 mm special quality chromium plated brass cupboards lock with six levers including necessary screws etc. complete. | Each | 578.00 |
| 7101 |  | Providing and fixing M.S. pressed butt hinges bright finished with necessary screws etc. complete. |  |  |
| a | 125 x 65x 2.12mm | Each | 83.00 |
| b | 100 x 50 x 1.90 mm | Each | 59.00 |
| c | 75 x 47 x 1.70 mm | Each | 40.00 |
| d | 50 x 37 x 1.50 mm | Each | 28.00 |
| 7102 |  | Providing and fixing M.S. pressed parliamentary hinges with necessary screws etc. complete. |  |  |
| a | 150 x 125 x27x2.80 mm | Each | 120.00 |
| b | 125x125x27x1.80 mm | Each | 90.00 |
| c | 100x125x27x1.80 mm | Each | 60.00 |
| d | 75 x 100x20x2.24 mm | Each | 48.00 |
| 7103 |  | Providing and fixing M.S. single acting spring hinges bright finished with necessary screws etc. complete. | Each |  |
| a | 150 mm | Each | 436.00 |
| b | 125 mm | Each | 389.00 |
| c | 100 mm | Each | 329.00 |
| 7104 |  | Providing and fixing M.S. double acting spring hinges bright finished with necessary screws etc. complete. |  |  |
| a | 150 mm | Each | 577.00 |
| b | 125 mm | Each | 506.00 |
| c | 100 mm | Each | 388.00 |
| 7105 |  | Providing 1mm thick M.S. piano hinges finished with brass plating flange being 35 mm wide & fixing with necessary screws. | Each | 389.00 |
| 7106 |  | Providing 1mm thick M.S. piano hinges finished with nickle plating, flange being 35 mm wide & fixing with necessary screws. | Each | 595.00 |
| 7107 |  | Providing and fixing M.S. Tee hinges bright finished or and black enamelled, with necessary screws etc. complete |  |  |
| a | 300 x 115 x 2.24 mm | Each | 32.00 |
| b | 250 x 100 x 2.24 mm | Each | 31.00 |
| 7108 |  | Providing & fixing ms. Sliding door bolts bright finished or and black enamelled with nuts and screws etc. complete |  |  |
| a | 300 x 16 mm | Each | 387.00 |
| b | 250 x 16 mm | Each | 309.00 |
| 7109 |  | Providing and fixing M.S. door latch with screws etc. complete |  |  |
| a | 300 x 20 x 6 mm | Each | 232.00 |
| b | 250 x 20 x 6 mm | Each | 240.00 |
| 7110 |  | Providing and fixing M.S. tower bolts (barrel type) with necessary screws etc. complete |  |  |
| a | 250 x 10 mm | Each | 156.00 |
| b | 200 x 10 mm | Each | 98.00 |
| c | 150 x 10 mm | Each | 68.00 |
| d | 100 x 10 mm | Each | 53.00 |
| 7111 |  | Providing and fixing M.S. handles with necessary screws etc. complete. |  |  |
| a | 125 mm | Each | 136.00 |
| b | 100 mm | Each | 118.00 |
| c | 75 mm | Each | 89.00 |
| 7112 |  | Providing and fixing M.S. hooks and eyes |  |  |
| a | 300 mm | Each | 32.00 |
| b | 250 mm | Each | 27.00 |
| c | 200 mm | Each | 22.00 |
| d | 150 mm | Each | 19.00 |
| 7113 |  | Providing and fixing M.S. fan light pivots with necessary screws etc. complete | Each | 31.00 |
| 7114 |  | Providing and fixing 300 mm long M.S. chain with hook for fan light including necessary screws etc. complete. | Each | 46.00 |
| 7115 |  | Providing and fixing M.S. safety hasp and staple with necessary screws etc. complete |  |  |
| a | 150 mm | Each | 27.00 |
| b | 115 mm | Each | 24.00 |
| c | 90 mm | Each | 22.00 |
| 7116 |  | Providing and fixing bright finished or and black enamelled iron helical door spring | Each | 112.00 |
| 7117 |  | Providing and fixing oxidised M.S. pressed butt hinges bright finished with necessary screws etc. complete. |  |  |
| a | 125 x 65 x 2.12 mm | Each | 94.00 |
| b | 100 x 50 x 1.90 mm | Each | 79.00 |
| c | 75x47x1.70mm | Each | 57.00 |
| d | 50x3x1.50 mm | Each | 38.00 |
| 7118 |  | Providing and fixing oxidised M.S. pressed parliamentary hinges with necessary screws etc. complete. |  |  |
| a | 150x125x27x2.80mm | Each | 131.00 |
| b | 125x125x27x2.80mm | Each | 111.00 |
| c | 100x125x27x2.80mm | Each | 82.00 |
| d | 75x100x20x2.24mm | Each | 58.00 |
| 7119 |  | Providing and fixing oxidised M.S. single acting spring hinges bright finished with necessary screws etc. complete. |  |  |
| a | 150 mm | Each | 440.00 |
| b | 125 mm | Each | 405.00 |
| c | 100 mm | Each | 343.00 |
| 7120 |  | Providing and fixing oxidised M.S. double acting spring hinges bright finished with necessary screws etc. complete. |  |  |
| a | 150 mm | Each | 106.00 |
| b | 125 mm | Each | 97.00 |
| c | 100 mm | Each | 84.00 |
| 7121 |  | Providing 1 mm thick oxidised MS piano hinges finished with brass plating flange being 35 mm wide and fixing with necessary screws. | Each | 603.00 |
| 7122 |  | Providing 1 mm thick oxidised MS piano hinges finished with nickle plating flange being 35 mm wide and with necessary screws. | Each | 697.00 |
| 7123 |  | Providing and fixing oxidised MS tee hinges bright finished or and black enamelled with necessary screws etc. complete. |  |  |
| a | 300x115x2.24mm | Each | 46.00 |
| b | 250x100x2.24 mm | Each | 42.00 |
| 7124 |  | Providing and fixing oxidised M.S. sliding door bolts with nuts and screws etc. complete |  |  |
| a | 300 x 16 mm | Each | 94.00 |
| b | 250 x 16mm | Each | 78.00 |
| 7125 |  | Providing and fixing oxidised M.S. door latch with necessary screws etc. complete |  |  |
| a | 300x20x6mm | Each | 90.00 |
| b | 250x20x6mm | Each | 69.00 |
| 7126 |  | Providing and fixing oxidised M.S. tower bolts (barrel type) with necessary screws etc. complete |  |  |
| a | 250 x 10 mm | Each | 47.00 |
| b | 200 x 10 mm | Each | 32.00 |
| c | 150 x 10 mm | Each | 26.00 |
| d | 100 x 10 mm | Each | 35.00 |
| 7127 |  | Providing and fixing oxidised M.S. handles with necessary screws etc. complete |  |  |
| a | 125 mm | Each | 35.00 |
| b | 100 mm | Each | 31.00 |
| c | 75 mm | Each | 28.00 |
| 7128 |  | Providing and fixing oxidised M.S. hooks and eyes |  |  |
| a | 300 mm | Each | 50.00 |
| b | 250 mm | Each | 41.00 |
| c | 200 mm | Each | 37.00 |
| d | 150 mm | Each | 34.00 |
| e | 100 mm | Each | 28.00 |
| 7129 |  | Providing and fixing MS safety hasp and staple with necessary screws etc. complete |  |  |
| a | 150 mm | Each | 46.00 |
| b | 115 mm | Each | 41.00 |
| c | 90 mm | Each | 40.00 |
| 7130 |  | Providing and fixing aluminium butt hinges anodised transparent or dyed to required colour or shade with necessary screw etc. complete. |  |  |
| a | 125 75 x 4 mm | Each | 169.00 |
| b | 100 x 75 x 4 mm | Each | 142.00 |
| c | 75 x 45 x 3.2 mm | Each | 104.00 |
| d | 50 x 45 x 3.2mm | Each | 62.00 |
| 7131 |  | Providing and fixing anodised aluminium sliding door bolt anodised transparent or dyed required colour and shade with bolts, nuts and screws etc. complete: |  |  |
| a | 300 x 16 mm | Each | 353.00 |
| b | 250 x 16 mm | Each | 218.00 |
| 7132 |  | Providing and fixing aluminium tower bolt (barrel type) anodised or dyed to required colour or shade with screws etc. complete. |  |  |
| a | 300 x 10 mm | Each | 35.00 |
| b | 250 x 10 mm | Each | 32.00 |
| c | 200 x 10 mm | Each | 28.00 |
| d | 150 x 10 mm | Each | 22.00 |
| e | 100 x 10 mm | Each | 21.00 |
| 7133 |  | Providing and fixing aluminium handle anodised or dyed to required colour or shade with screws etc. complete. |  |  |
| a | 125 mm | Each | 29.00 |
| b | 100 mm | Each | 21.00 |
| c | 75 mm | Each | 20.00 |
| 7134 |  | Providing and fixing 50 cm long aluminium kicking plate 100 x 15 mm anodised transparent or dyed to required colour or shade with necessary screws etc. complete. | Each | 159.00 |
| 7135 |  | Providing and fixing anodised aluminium flat latch |  |  |
| a | 300 mm | Each | 244.00 |
| b | 200 mm | Each | 205.00 |
| 7136 |  | Providing and fixing anodised aluminium hooks and eyes. |  |  |
| a | 150 mm | Each | 16.00 |
| b | 100 mm | Each | 23.00 |
| 7137 |  | Providing and fixing anodised aluminium hasps and staples |  |  |
| a | 100 mm | Each | 87.00 |
| b | 150 mm | Each | 100.00 |
| 7138 |  | Providing and fixing anodised aluminium windows stay. |  |  |
| a | 300 mm narrow line with five adjustments | Each | 265.00 |
| b | 250 mm narrow line with four adjustments | Each | 245.00 |
| c | 200 mm narrow line with three adjustments | Each | 210.00 |
| 7139 |  | Providing and fixing anodised aluminium mortice lock lever type handle (without lock) | Each | 580.00 |
| 7140 |  | Providing and fixing anodised aluminium mortice lock knob type handle (without lock) | Each | 538.00 |
| 7141 |  | Providing and fixing anodised aluminium pivot hinge 62 mm | Each | 44.00 |
| 7142 |  | Providing and fixing parliamentary hinges with nylon washers |  |  |
| a | 100 x 31.75x4.76 mm | Each | 175.00 |
| 7143 |  | Providing and fixing anodized aluminium ventilator latch 75 mm. | Each | 432.00 |
| 7144 |  | Providing and fixing anodized aluminium finger push plate |  |  |
| a | 87 x 225 mm | Each | 68.00 |
| b | 75 x 150 mm | Each | 64.00 |
| 7145 |  | Providing and fixing factory made panelled door shutter fabricated out of second class teak wood with styles top and middle rail and lock and bottom rail, with Navopan or equivalent plain particle board exterior grade as per IS-3087 (1985) type I including anodized aluminium butt hinges with necessary screws etc. complete. |  |  |
| a | 12 mm thick panel (i) 38 mm thick panel | sq.m | 6537.00 |
| b | 12 mm thick panel (ii) 35 mm thick panel | sq.m | 6279.00 |
| c | 12 mm thick panel (iii) 30 mm thick panel | sq.m | 7753.00 |
| d | 18 mm thick panel (i) 38 mm thick panel | sq.m | 6651.00 |
| e | 18 mm thick panel (ii) 35 mm thick panel | sq.m | 6393.00 |
| f | 18 mm thick panel (ii) 30 mm thick panel | sq.m | 7867.00 |
| 7146 |  | Providing and fixing factory made panelled door shutter fabricated out of Nano or equivalent wood with styles top and middle rail and lock and bottom rail, with Navopan or equivalent plain particle board exterior grade as per IS -3087 (1985) type I including anodized alluminium butt hinges with necessary screws etc. complete. |  |  |
| a | 12 mm thick panel (i) 38 mm thick panel | sq.m | 3802.00 |
| b | 12 mm thick panel (ii) 35 mm thick panel | sq.m | 3700.00 |
| c | 12 mm thick panel (iii) 30 mm thick panel | sq.m | 3615.00 |
| d | 18 mm thick panel (i) 38 mm thick panel | sq.m | 3915.00 |
| e | 18 mm thick panel (ii) 35 mm thick panel | sq.m | 3813.00 |
| f | 18 mm thick panel (iii) 30 mm thick panel | sq.m | 3729.00 |
| 7147 |  | Providing and fixing 12 mm sheets flat pressed three layered melamine faced prelaminated wood based particle board bonded with BWP/BWR exterior grade synthetic resin panelling / cladding as for wall panelling / cladding as per IS-3087 (1985) type I one side approved shade and other side balancing white lamination of Novapan make or equivalent to be fixed to frames by cleates, leaving expansion allowance of 6 MM in between each panel. The width of the panel can be 1.5 feet/2 feet/3 feet as per Architects discretion. |  |  |
| a | Second class teak wood. | sq.m | 1743.00 |
| b | Nano / kinal or equivalent | sq.m | 1313.00 |
| 7148 |  | Providing and fixing in position single skin partition with second class teak wood, frame in 2.5" x 1.5" and with BWP/BWR exterior grade synthetic resin as per IS-3087 (1985) type I on the edges of Navopan or equivalent. One side shade of approved lamination and other side white balancing lamination (PLX) on both sides it lamination of approved shade (PTX). | sq.m | 2016.00 |
| 7149 |  | Providing and fixing position 62 mm thick double skin partition with frame in size 75 x 38 mm and internal frame of 50 mm x 38mm and fixing of 12 mm thick flat pressed melamine faced three layered prelaminated wood based particle board with exterior grade BWP /BWR synthetic resin as per IS-3087 (1985) type I on the edges of Navopan make or equivalent. One side shade of approved lamination and other side white balancing lamination |  |  |
| a | Second class teak wood | sq.m | 2990.00 |
| b | Nano / equivalent | sq.m | 2275.00 |
| 7150 |  | Providing and fixing factory made panelled door shutter fabricated out of second class teak wood with styles top and middle rail, lock and bottom rail with Navopan or equivalent weather resistant melamine faced prelaminated twin particle board - bonded with BWP/BWR exterior grade synthetic resin as per IS - 3087 (1985) type I including anodised aluminium butt hinges with necessary screws etc. complete. |  |  |
| a | 12 mm thick panel (i) 38 mm thick | sq.m | 6351.00 |
| b | 12 mm thick panel (ii) 35 mm thick | sq.m | 6093.00 |
| c | 12 mm thick panel (iii) 30 mm thick | sq.m | 7567.00 |
| d | 18 mm thick panel (i) 38 mm thick | sq.m | 6692.00 |
| e | 18 mm thick panel (ii) 35 mm thick | sq.m | 6434.00 |
| f | 18 mm thick panel (iii) 30 mm thick | sq.m | 7908.00 |
| 7151 |  | Providing and fixing factory made panelled door shutter fabricated out of nano or equivalent wood with styles top and middle rail, lock and bottom rail with Navopan or equivalent weather resistant melamine faced prelaminated twin particle board - bonded with BWP/BWR exterior grade synthetic resin as per IS - 3087 (1985) type I including anodised aluminium butt hinges with necessary screws etc. completed. |  |  |
| a | 12 mm thick panel (i) 38 mm thick | sq.m | 3837.00 |
| b | 12 mm thick panel (ii) 35 mm thick | sq.m | 3735.00 |
| c | 12 mm thick panel (iii) 30 mm thick | sq.m | 3650.00 |
| d | 18 mm thick panel (i) 38 mm thick | sq.m | 3956.00 |
| e | 18 mm thick panel (ii) 35 mm thick | sq.m | 3854.00 |
| f | 18 mm thick panel (iii) 30 mm thick | sq.m | 3770.00 |
| 7152 |  | Providing and fixing factory made panelled door shutter fabricated out of second class teak wood with styles top and middle rail, lock and bottom rail with Navopan or equivalent weather resistant melamine faced flat pressed three layered prelaminated wood based particle board bonded with BWP/BWR exterior grade synthetic resin as per IS - 3087 (1985) type I including anodised aluminium butt hinges with necessary screws etc. complete. |  |  |
| a | 12 mm thick panel (i) 38 mm thick | sq.m | 6608.00 |
| b | 12 mm thick panel (ii) 35 mm thick | sq.m | 6350.00 |
| c | 12 mm thick panel (iii) 30 mm thick | sq.m | 7824.00 |
| d | 18 mm thick panel (i) 38 mm thick | sq.m | 6733.00 |
| e | 18 mm thick panel (ii) 35 mm thick | sq.m | 6475.00 |
| f | 18 mm thick panel (ii) 30 mm thick | sq.m | 7949.00 |
| 7153 |  | Providing and fixing factory made panelled door shutter fabricated out of Nano or equivalent wood with styles top and middle rail, lock and bottom rail with Navopan or equivalent weather resistant melamine faced prelaminated flat pressed three layered wood based particle board – bonded with BWP/BWR exterior grade synthetic resin as per IS - 3087 (1985) type I including anodised aluminium butt hinges with necessary screws etc. complete. |  |  |
| a | 12 mm thick panel (i) 38 mm thick | sq.m | 3872.00 |
| b | 12 mm thick panel (ii) 35 mm thick | sq.m | 3770.00 |
| c | 12 mm thick panel (iii) 30 mm thick | sq.m | 3685.00 |
| d | 18 mm thick panel (i) 38 mm thick | sq.m | 3997.00 |
| e | 18 mm thick panel (ii) 35 mm thick | sq.m | 3895.00 |
| f | 18 mm thick panel (ii) 30 mm thick | sq.m | 3811.00 |
| 7154 |  | Providing and fixing flush door shutter of solid core melamine face three layered, prelaminated wood based particle board exterior grade having shade of choice on both sides (PTX) or having shade of choice on one side and balancing lamination on the other side (PLX) as per IS 3087 (1985) type I on the edge of Novopan or equivalent bonded with BWR/BWP synthetic resin with second class teak wood, lipping of section of size 12 mm x 30 mm flange and 18 mm x 10 mm web (18 mm deep) fixed into 18 x 10 mm groves of shutter with water resistant adhesive and fully threaded G.I. screws 50 mm not more than 450 mm centre to centre including anodized aluminium butt hinges with necessary screws etc. complete. |  |  |
| a | Natural teak on both faces: 1) 35 mm thick | sq.m | 3094.00 |
| b | Natural teak on both faces: 2) 30 mm thick | sq.m | 2905.00 |
| 7155 |  | Providing and fixing flush door shutter of solid core melamine face three layered, prelaminated wood based particle board exterior grade having shade of choice on both sides (PTX) or having shade of choice on one side and balancing lamination on the other side (PLX) as per IS 3087 (1985) type I on the edge of Novopan or equivalent bonded with BWR/BWP synthetic resin with second class teak wood, lipping of section of size 12 mm x 30 mm flange and 18 mm x 10 mm web (18 mm deep) fixed into 18 x 10 mm groves of shutter with water resistant adhesive and fully threaded G.I. screws 50 mm not more than 450 mm centre to centre including anodized aluminium butt hinges with necessary screws etc. complete. |  |  |
|  |  | Commercial on both faces: 1) 35 mm thick | sq.m | 2779.00 |
|  |  | Commercial on both faces : 2) 30 mm thick | sq.m | 2653.00 |
| 7156 |  | Providing and fixing flush door shutter of solid core melamine face three layered, prelaminated wood based particle board exterior grade having shade of choice on both sides (PTX) or having shade of choice on one side and balancing lamination on the other side (PLX) as per IS 3087 (1985) type I on the edge of Novopan or equivalent bonded with BWR/BWP synthetic resin with second class teak wood, lipping of section of size 12 mm x 30 mm flange and 18 mm x 10 mm web (18 mm deep) fixed into 18 x 10 mm groves of shutter with water resistant adhesive and fully threaded G.I. screws 50 mm not more than 450 mm centre to centre including anodized aluminium butt hinges with necessary screws etc. complete. |  |  |
| a | White balancing lamination on one face and natural teak on other face 35mm thick | sq.m | 2969.00 |
| b | White balancing lamination on one face and natural teak on other face 30mm thick | sq.m | 2905.00 |
| 7157 |  | Providing FRP door shutters 35mm thick with frame size in clear opening of 0.75x2.10m hinges and screws complete., | sq.m | 1860.00 |
| 7158 |  | **Single Colour Foam Core FRP (Fiber Reinforced Polymer) Door Shutter** Manufacture, Supply and Installation (including accessories as mentioned below) of EPEE or equivalent Goan make FRP (Fiber Reinforced Polymer) door shutter of specified thickness as per options below by using tray system with seasoned hard wood, moisture less than 17%, wood styles for Top rail and lock rails. FRP (Fiber Reinforced Polymer) laminate made up of 450 grams per sq.mts (gsm) chop strand matt and unsaturated polyester resin with viscosity range of 400/450 centipoises per second (cps) . The core of shutter will be filled as specified (Expanded Polystyrene Foam / Polyurethane Foam (EPS/PU) Foam). The shutter to be of single colour & water proof as well as mild acid / alkali resistant manufactured using RV TIFAC (R V Engineering College, Bangalore & Technology Information Forecasting & Assessment Council) technology in line with IS 13034 1990 test Standard in an ISO 9001 – 2015 certified factory. |  |  |
|  | Accessories: |  |  |
| i | i) S. S. Hinges 4” - 3 Nos |  |  |
| ii | ii) S. S. Latch - 1 No |  |  |
| iii | iii) Tower Bolt 5” - 2 Nos |  |  |
| iv | iv) Handle 5” - 2 Nos |  |  |
|  |  |  |  |
|  | Shutter Thickness : a) 30mm | sqm | 2900.00 |
|  | : b) 35mm | sqm | 3279.00 |
|  | : c) 40mm | sqm | 3662.00 |
|  |  |  |  |
|  | Note: For 35 & 40mm thickness shutters, only frames of 5 x 2 ½ Cross section frames to be used. |  |  |
| 7159 |  | **Wood Finish Foam Core FRP (Fiber Reinforced Polymer) Door Shutter** Manufacture, Supply and Installation (including accessories as mentioned below) of EPEE or equivalent Goan make FRP (Fiber Reinforced Polymer) door shutter of specified thickness as per options below by using tray system, with seasoned hard wood, moisture less than 17%, wood styles for Top rail and lock rails. FRP (Fiber Reinforced Polymer) laminate made up of 450 grams per sq.mts (gsm) chop strand matt and unsaturated polyester resin with viscosity range of 400/450 centipoises per second (cps) along with printed matt having wooden textures, used along with UV Resistant resin to give the clear wooden texture on the door. The core of shutter will be filled as specified (Expanded Polystyrene Foam / Polyurethane Foam (EPS/PU) Foam) The shutter to be water proof as well as mild acid / alkali resistant manufactured using RV TIFAC (R V Engineering College, Bangalore & Technology Information Forecasting & Assessment Council) Technology in line with IS 13034 1990 test Standard in an ISO 9001 – 2015 certified factory. |  |  |
|  |  | Accessories: |  |  |
|  | i | i) S. S. Hinges 4” - 3 No |  |  |
|  | ii | ii) S. S. Latch - 1 No |  |  |
|  | iii | iii) Tower Bolt 5” - 2 Nos |  |  |
|  | iv | iv) Handle 5” - 2 Nos |  |  |
|  |  |  |  |  |
|  |  | Shutter Thickness : a) 30mm | sqm | 3597.00 |
|  |  | : b) 35mm | sqm | 3917.00 |
|  |  | : c) 40mm | sqm | 4355.00 |
|  |  |  |  |  |
|  |  | Note: For 35 & 40mm thickness shutters, only frames of 5 x 2 ½ Cross section frames to be used. |  |  |
| 7160 |  | **Standard Wood Core Door Shutter with Single Colour** Manufacture, Supply and Installation (including accessories as mentioned below) of EPEE or equivalent Goan make FRP (Fiber Reinforced Polymer) door shutter of specified thickness as per options below by using tray system with seasoned hard wood, moisture less than 17%, wood styles for Top rail and lock rails. FRP (Fiber Reinforced Polymer) laminate made up of 450 grams per sq.mts (gsm) chop strand matt and unsaturated polyester resin with viscosity range of 400/450 centipoises per second (cps).The core of Shutter will be filled with MR2nd grade Block Board. The shutter to be water proof as well as mild acid / alkali resistant manufactured using RV TIFAC (R V Engineering College, Bangalore & Technology Information Forecasting & Assessment Council) technology in line with IS 13034 1990 test Standard in an ISO 9001 – 2015 certified factory. |  |  |
|  |  | Accessories: |  |  |
|  |  | i) S. S. Hinges 4” - 3 Nos ii) S. S. Latch - 1 No iii) Tower Bolt 5” - 2 Nos iv) Handle 5” - 2 Nos |  |  |
|  |  |  |  |  |
|  |  | Shutter Thickness : a) 32mm | sqm | 3723.00 |
|  |  | : b) 35mm | sqm | 4039.00 |
|  |  | : c) 40mm | sqm | 4392.00 |
|  |  | Note: For 35 & 40mm thickness shutters, only frames of 5 x 2 ½ Cross section frames to be used. |  |  |
| 7161 |  | **Wood Finish Wood Core FRP (Fiber Reinforced Polymer) Door Shutter**  Manufacture, Supply and Installation (including accessories as mentioned below) of EPEE or equivalent Goan make FRP (Fiber Reinforced Polymer) door shutter of specified thickness as per options below by using tray system with seasoned hard wood, moisture less than 17%, wooden styles for Top rail and lock rails. FRP (Fiber Reinforced Polymer) laminate made up of 450 grams per sq.mts (gsm) chop strand matt and unsaturated polyester resin with viscosity range of 400/450 centipoises per second (cps) and printed matt having wooden textures used along with UV Resistant resin to give the clear texture on the door. The core of shutter will be filled with MR 2nd grade Block Board. The Shutter to be water proof as well as mild acid / alkali resistant manufactured using RV TIFAC (R V Engineering College, Bangalore & Technology Information Forecasting & Assessment Council) technology in line with IS 13034 1990 test Standard in an ISO 9001 – 2015 certified factory. |  |  |
|  |  | Accessories: i) S. S. Hinges 4” - 3 Nos ii) S. S. Latch - 1 No iii) Tower Bolt 5” - 2 Nos iv) Handle 5” - 2 Nos |  |  |
|  |  | Shutter Thickness : a) 32mm | sqm | 4480.00 |
|  |  | : b) 35mm | sqm | 4734.00 |
|  |  | : c) 40mm | sqm | 5049.00 |
|  |  | Note: For 35 & 40mm thickness shutters, only frames of 5 x 2 ½ Cross section frames to be used. |  |  |
| 7162 |  | **FRP (Fiber Reinforced Polymer) Frames** Manufacture, Supply and Installation (with anchor fastener) of EPEE or equivalent Goan make FRP (Fiber Reinforced Polymer) Frame of cross section as per options below with right angle joint and FRP (Fiber Reinforced Polymer) laminate made from 450 grams per sq.mts (gsm) chop strand glass fiber (matt) and unsaturated polyester resin with viscosity range of 400/450 centipoises per second (cps). The core of frame would be filled with seasoned wood as infill material. The slot of frame for door resting will be of suitable width so as to take specified thickness door.. The frame will be water proof as well as mild acid/ alkali resistant manufactured in an ISO 9001- 2015 certified company. |  |  |
|  |  |  |  |  |
|  |  | Specified Cross Section : a) 3” x 2” | Metre | 513.00 |
|  |  | b) 4” x 2” | Metre | 739.00 |
|  |  | c) 4” x 2 ½ “ | Metre | 601.00 |
|  |  | d) 5” x 2 ½ “ | Metre | 786.00 |
| 7163 |  | **FRP (Fiber Reinforced Polymer) Frames with Wood Finish**  Manufacture, Supply and Installation (with anchor fastener) of EPEE or equivalent Goan make FRP (Fiber Reinforced Polymer) Frame of cross section as per options below with right angle joint and FRP (Fiber Reinforced Polymer) laminate made from 450 grams per sq.mts (gsm) chop strand glass fiber (matt) and unsaturated polyester resin with viscosity range of 400/450 centipoises per second (cps). The core of frame would be filled with seasoned wood as infill material. The slot of frame for door resting will be of suitable width so as to take specified thickness door. The frame will be water proof as well as mild acid/ alkali resistant manufactured in an ISO 9001- 2015 certified company. |  |  |
|  |  | Specified Cross Section : a) 3” x 2” | Metre | 595.00 |
|  |  | b) 4” x 2” | Metre | 821.00 |
|  |  | c) 4” x 2 ½ “ | Metre | 683.00 |
|  |  | d) 5” x 2 ½ “ | Metre | 821.00 |
| 7164 |  | Providing & fixing Stainless Steel Cylindrical lock 60mm dia with pair of knob, keys etc. with necessary screws etc. for doors complete as approved by engineer. Entrance Function: Internal Push Button & External Key Operation | Each | 932.00 |
| 7165 |  | Providing & fixing Stainless Steel tubular lever D-Type mortise handles with round/Square nose, 24mm Mortise/sash lock body & Strike plate (all SS Finish), Pin cylinder 60mm with one side key and other side knob/thumb turn with necessary screws etc. complete | Each | 3889.00 |
| 7166 |  | Providing and fixing Stainless steel D type handles with necessary screws etc complete a) L 300mm/325mm x 22 to 25mm dia | Each | 1448.00 |
| 7167 |  | Providing and fixing 1.00mm high pressure decorative Laminates (glossy/ matt) on wooden surfaces like doors, windows. The laminate should comprise of layers of specially selected paper, impregnated with melamine and phenolic resins pressed and hardened under heat and high pressure and should ensure strong bonding, resistance to boiling water and chemical and increase dimensional stablilty. Including cost of adhesive, nails during fixing etc. complete | sq.m. | 864.00 |
| 7168 |  | Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type (BWP), core of block board construction with frame of 1 st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. |  |  |
| a | 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws | sq.m. | 4307.00 |
| b | 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws | sq.m. | 4008.00 |
| 7169 |  | Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) semi-decorative type (BWP), core of block board construction with frame of 1 st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on One face of shutters & well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on Other face of shutters |  |  |
| a | 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws | sq.m. | 2766.00 |
| b | 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws | sq.m. | 2766.00 |
| 7170 |  | Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type (BWP), core of block board construction with frame of 1 st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: |  |  |
|  | a | 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws | sq.m. | 2414.00 |
|  | b | 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws | sq.m. | 2263.00 |
| 7171 |  | **UPVC ONLY DOOR FRAME**:- |  |  |
| Providing & fixing Upvc Door Frame Yashashri make or equivalent made out of Upvc extruded multi cavity frame of 60 mm x 60mm x 2mm wall thickness. Frame is reinforced with G.I. Channel & welded in corners with Average weight 0.80 kg per running mtr. These frames are tested by using BS 2782 & DIN 53459 test methods. | Metre | 476.00 |
| 7172 |  | **20 MM DOOR SHUTTER:-** |  |  |
| Providing & fixing 20 mm door shutter Yashashri make or equivalent, made by using 20mm x 155mm x 1.2mm upvc multi-cavity section and boarder of 30mm x 40mm x 2.5mm Upvc multi cavity section. The corners are joined by inserting polymetric corners & hardware used for fixing the door shutter is stainless steel hinges & S. S. handle & S.S. tower bolt. The average weight of 20mm door shutter is 4.60kg per sq mtr. These Upvc sections are tested by using BS 2782 & DIN 53459 test methods. | sq.m. | 1957.00 |

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| 7173 |  | **32 MM DOOR SHUTTER:-** |  |  |
| Providing & fixing 32mm door shutter Yashashri make or equivalent, made by using 31mm x 150 mm x 1.5mm upvc multi-cavity section having Toung & Groove jointing method and boarder having 35mm x 30mm x multi- cavity section. The corners are joined by inserting polymetric corners & hardware used for fixing the door shutter is stainless steel hinges & S. S. handle & S.S. tower bolt. The average weight of 32mm door shutter is 6.30 kg per sq mtr. These Upvc sections are tested by using BS 2782 & DIN 53459 test methods. | sq.m. | 3029.00 |
| 7174 |  | **TURNWINDOWS:-** |  |  |
| Providing & fixing Single or multi shutter turn windows Yashashri make or equivalent, made out of upvc multi- cavity frames Sections of 60mm x 60mm x 2.5mm reinforced with G.I channel and double multi-shutters Division are made by using shash mullion having 50mm x 64mm x 2.5mm multi- cavity upvc section, reinforced with G.I. channel and shutters are made out of 50mm x 64mm x 2.5mm upvc section, Reinforced and welded in corners with EPDM Gaskets and using suitable glass bead with perfect hardware like hinges, handles, stays & 4mm clear Glass. Some portion of windows can be made fixed glass. The average weight of Turn window is 11.5 kg per sq mtr. These Upvc sections are tested by using BS 2782 & DIN 53459 test methods. | sq.m. | 9385.00 |
| 7175 |  | **THREE TRACK SLIDING WINDOWS:-** |  |  |
| Providing & fixing Three track Sliding Windows Yashashri make or equivalent, made out of 97mm x 43mm x 2mm upvc multi-cavity reinforced with G.I. channel and having up word projection for sliding of shutter on Nylon Rollers and having slope for draining rain water outside and welded in corners. Shutters are made out of 57mm x 31mm x 2mm multi-cavity section having provision for nylon rollers fixing, glass fixing with EPDM gasket, glass bead and welded in corners. In Three Track Sliding window 4mm clear glass is used. The average weight of Three Track Sliding window is 16.5 kg per sq mtr. These Upvc sections are tested by using BS 2782 & DIN 53459 test methods. | sq.m. | 7170.00 |
| 7176 |  | **TWO TRACK SLIDING WINDOW (Economical):-** |  |  |
| Providing & fixing Two Track sliding window in economical section made out of 60mm x 45mm x 2.5mm Upvc multi cavity track section & Shutter made out of 57mm x 31mm x2.5mm Upvc multi cavity section welded in corners with Glass beading & EPDM Gasket & 4mm clear glass with lock & rollers. The average weight of Two Track Sliding window (Economical) is 12.25 kg per sq mtr. These Upvc sections are tested by using BS 2782 & DIN 53459 test methods. | sq.m. | 6160.00 |
| 7177 |  | **TWO TRACK SLIDING WINDOW (Heavy):-** |  |  |
| Providing & fixing Two Track sliding window Yashashri make or equivalent, in heavy sections made out of 104mm x 51 mm x 2.5 mm Upvc multi cavity track section & shutter made out of 45mm x54mm x 2.5mm Upvc multi cavity section welded in corners with Glass beading & EPDM Gasket & 4mm clear glass with lock & rollers. The average weight of Two Track Sliding window (Heavy) is 16.75 kg per sq mtr. These Upvc sections are tested by using BS 2782 & DIN 53459 test methods. | sq.m. | 7372.00 |
| 7178 |  | **PARTITION:-** |  |  |
| Providing & fixing Partitions Yashashri make or equivalent, made out of frame support structure in 2” x 1” M.S. sq tube & walls paneled by 20mm x 155mm x 1.2mm Upvc multi cavity section fixed on structure with hidden screwing system. Door frame & shutter made out of 50mm x 50mm x 2.5mm & 31mm x 150mm x 1.5mm Upvc multi cavity section. Some portion of partition can be made by 4mm fixed glass. The average weight of Partition is 17 kg per sq mtr. These Upvc sections are tested by using BS 2782 & DIN 53459 test methods | sq.m. | 5555.00 |

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| 7179 |  | **PORTA CABINS: -** |  |  |
|  | Providing & fixing UPVC Porta Cabin Yashashri make or equivalent, made out of frame support structure in 2” x 1”M.S. square tube welded as per designs suitable for transportation, assembling / dissemble nut bolt systems & painted . Walls are made out of UPVC extruded multi cavity panels of 20mm x 116mm x 1.2mm fixed on structure with hidden screwing system. Door frame is made out of 50mm x 50mm x 2.5mm. Multi cavity UPVC frame reinforced suitably & shutter made out of 31mm x 150mm x 2mm. upvc 2 track windows with 4 mm glass. Roof is made out 0.5 Gauge G.I. pre coated corrugated Sheet along with 20mm Upvc False Ceiling at 8**’** Height. The side height of Porta Cabin is 8**’** & center height of Porta cabin is 9.5**’** approximate. | sq.m. | 2589.00 |
| 7180 |  | **FALSE CEILING:-** |  |  |
| Providing & fixing False Ceiling Yashashri make or equivalent, made out of 2” x 1” M.S sq tube frame support structure & 20mm x 155mm x 1.2mm multi-cavity upvc section, 30mm x 40mm x 2mm Upvc multi-cavity section with hidden screwing system. The average weight of False Ceiling is 8.50 kg per sq mtr. These Upvc sections are tested by using BS 2782 & DIN 53459 test methods. | sq.m. | 2276.00 |

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| **CHAPTER XI** | | | | |
| **STEEL AND ALUMINIUM WORK** | | | | |
| **SR. NO** |  | **DESCRIPTION** | **UNIT** | **RATE** |
| 8001 |  | Steel work in single sections (SAIL, TATA. VIZAG & using electrodes of Ador or ES4B or Deh Secheron make only) including cutting, hoisting fixing in position and applying a priming coat of red lead paint. |  |  |
| a | In R.S. joists, channels, angles, tees | qtl | 13711.00 |
| b | In flats of all sizes | qtl | 12132.00 |
| c | In flats exceeding 100mm thickness | qtl | 12132.00 |
| 8002 |  | Steel work(SAIL, TATA. VIZAG only) riveted or bolted in built up sections, trusses and framed work including cutting, hoisting, fixing in position and applying a priming coat of red lead paint. |  |  |
| a | In R.S. joists | qtl | 10620.00 |
| b | In tees, angles, flats and channels | qtl | 11052.00 |
| 8003 |  | Steel work welded (SAIL, TATA. VIZAG & using electrodes of Ador or ES4B or Deh Secheron make only)in built up sections trusses and framed work including cutting, hoisting, fixing in position and applying priming coat of red lead paint. |  |  |
| a | In R.S. Joists | qtl | 13658.00 |
| b | In tees, angles, flats and channels | qtl | 13023.00 |
| 8004 |  | Providing and fixing in position collapsible steel shutters with vertical channels 20 mm x 10 mm x 2 mm and braced with flat iron diagonals 20mm x 5mm size with top and bottom rails of T-iron, 40 x 40 x 6 mm with 38 mm dia. Steel pullys completely bolts locking arrangement, stopper, handles including applying a priming coat of red lead paint. | sq.m | 6356.00 |
| 8005 |  | Providing and fixing 1 mm thick M.S. sheet sliding shutters with frame & diagonal braced of 40 mm x 40 mm x 6 mm angle iron, 3.15 mm M.S. gusset plates at junctions and corners, 25 mm dia pulley 40 mm x 40 mm x 6 mm angle and T-iron guide at top and bottom respectively including applying a priming coat of lead paint. | sq.m | 4753.00 |
| 8006 |  | Providing and fixing 1 mm thick M.S. sheet garage door with frame of 40 x 40 x 6 mm angle iron 3.15 mm M.S. gusset plate at the junction and corners, all necessary fitting complete including applying a priming coat of red lead paint. |  |  |
| a | Using M.S. angles 40 mm x 40 mm x 6 mm for diagonal braces. | sq.m | 4029.00 |
| b | Using M.S. Flats 30 mm x 6 mm for diagonals braces and central cross | sq.m | 4077.00 |
| 8007 |  | Supplying and fixing rolling shutters of approved make, made of 80 x 1.25 mm M.S. laths interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete including the cost of providing and fixing necessary 27.5cm long wire springs grade No.2 and M.S. top cover of 1.25mm thick for folling shutterstop cover and spring. | sq.m | 2895.00 |
| 8008 |  | Providing and fixing 27.5cm long wire spring grade No.2 for rolling shutters. | Each | 979.00 |
| 8009 |  | Providing and fixing top cover for rolling shutters | Metre | 815.00 |
| 8010 |  | Providing and fixing Ball bearings for rolling shutters | Each | 657.00 |
| 8011 |  | Extra for providing mechanical device, chain and crank operation for operating rolling shutters. |  |  |
| a | Exceeding 10.00 sq.m. and upto 16.80 sq.m. in area | sq.m | 2182.00 |
| b | Exceeding 16.80 sq.m. in area Chain & overhead operation | sq.m | 2417.00 |
| 8012 |  | Fixing standard steel or aluminum glazed doors windows and ventilators in wall with lugs 10 cm x 16mm x 3.15 mm embed in C.C. block 15 x 10 x 10 cm size of 1:3:6 (1 cement : 3 coarse sand, 6 aggregate 20 mm nominal size) or with wooden plugs or with rawl plugs & screws or with fixing clips or with nuts as required including fixing of glass panes with glazing clips and special metal sash pulley of approved make or metal bearing with screws shall be supplied by department free of cost. | sq.m | 470.00 |
| 8013 |  | Providing and fixing steel glazed doors windows and ventilators of standard rolled steel sections, joints mitred and welded with 16 x 3.15 cm lugs 10 cm long embedded in cement concrete block 15cm x 10 cm size of 1:3:6 (1 cement: 3 coarse sand 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws of raw plugs and screws for with fixing clamps or with bolts and nuts as required, including providing and fixing of glass panes with glazing clips and special metal sash putty of approved made on metal beading with screws complete including applying a priming coat of red lead paint. |  |  |
| a | Steel door (Fixed doors) | sq.m | 2467.00 |
| b | Steel doors (Single leaf door) | sq.m | 3306.00 |
| c | Steel door (Double leaf door) | sq.m | 3412.00 |
| d | Fixed steel windows | sq.m | 2379.00 |
| e | Side hung windows | sq.m | 2372.00 |
| f | Top hung ventilators | sq.m | 2188.00 |
| g | Centre hung ventilators | sq.m | 2306.00 |
| 8014 |  | Providing and fixing cast brass peg stay 300 mm long for steel window ventilators etc. | Each | 256.00 |
| 8015 |  | Providing & fixing cast brass casement window fastener 125 mm long. | Each | 119.00 |
| 8016 |  | Providing and fixing M.S. fan clamp type 1or II of 16 mm dia M.S. bar bent to shape with hooke ends in R.C.C. slabs, beams during laying including painting the exposed portion of loop, all as per standard design complete. | Each | 211.00 |
| 8017 |  | Extra rate for providing and fixing M.S. fan clamp type 2 as per standard design in R.C.C. beams during laying towards the additional height of the clamps due to beam rib. | Metre | 422.00 |
| 8018 |  | Providing & fixing M.S. round holding down with nuts & Washer plates complete. | qtl | 13963.00 |
| 8019 |  | Providing & fixing bolts with nuts & washer complete. | qtl | 30585.00 |
| 8020 |  | Providing & fixing M.S. Rivets of sizes in position. | qtl | 30151.00 |
| 8021 |  | Welding by gas plant (using Ador or ES4B or Deh Secheron make electrodes only) | cm | 16.00 |
| 8022 |  | Welding by electric plant (using Ador or ES4B or Deh Secheron make electrodes only ) | cm | 12.00 |
| 8023 |  | Providing and fixing in position 2nd class Indian teak wood hand rail 6.4 x 11.5 cm (4.5" x 2.5") fixed to 40 x 3 mm size M.S. flat welded to 10 mm mild steel square balusters of clear height 86 cm spaced at 15 cm c/c including making necessary hold fast fixtures embeded in staircase concrete to the depth of 20 cm6 as per detailed drawings. | Metre | 2099.00 |
| 8024 |  | Providing & fixing in position hand rails in staircase, landing and the like with 2" dia G.I. pipe (light class) resting on 25 mm (1") size M.S. square bars of clear height 90cms placed at 30 cm c/c including making necessary hold fast fixture (25 mm square bars 22 cm long) embeded in staircase concrete for resting the M.S. vertical square bars with holding etc. as required for the work including bending hand rail pipe to proper shape in curves with specials etc. complete (measurement will be made along the running length of hand rail). | Metre | 1872.00 |
| 8025 |  | Providing and fixing in position hand rail in balconies, landings and the like with 2" dia G.I. pipe (light class) resting on 20 x 20mm M.S. square bars of clear height making necessary holdfast fixture (20mm square bars 15 cms long) embedded in balcony concrete for resting the M.S. vertical square bars with holding etc as required (measurements will be made along the length of the hand rail) | Metre | 863.00 |
| 8026 |  | Providing and fixing in position G.I. hand rail polyster powder coated in external passage, as per approved design shown in drawing including bending hand rail pipe to proper shape in curves with special etc. complete. | Metre | 2744.00 |
| 8027 |  | Providing and fixing in position S.S. hand rail in main stair case, and landing as per approved design shown in the drawing including bending handrail pipe to proper shape in curves with specials, etc. complete. | Metre | 4969.00 |
| 8028 |  | Providing and fixing steel pressed frames confirming to IS 4351/1976 in doors / windows including providing necessary arrangement for fixing hinges etc. complete. |  |  |
| a | Size 125 x 60 mm | Metre | 484.00 |
| b | Size 105 x 60 mm | Metre | 447.00 |
| c | Size 85 x 60 mm | Metre | 446.00 |
| 8029 |  | Proving and fixing anodised alluminium shutters in accordance with the specification annexed with Goa schedule of Rates (2004) Vol & II including all taxes, transportation, scaffolding and handling etc. complete as per direction of the Engineer-in-charge: Window with two or three sliding shutters using 14.5/15 mm series shutters section. |  |  |
| a | Acrylic sheet | sq.m | 4842.00 |
| b | Plain glass | sq.m | 3766.00 |
| c | Figured glass | sq.m | 3766.00 |
| 8030 |  | Providing and fixing anodized aluminium shutters in accordance with the specification annexed with Goa schedule of Rates (2004) Vol & II including all taxes, transportation, scaffolding and handling etc. complete as per direction of the Engineer-in-charge: windows with two sliding shutters using 18 mm series shutters section. |  |  |
| a | Acrylic sheet | sq.m | 3191.00 |
| b | Plain glass | sq.m | 3191.00 |
| c | Figured glass | sq.m | 3100.00 |
| 8031 |  | Providing and fixing anodised aluminium sliding windows with two sliding shutters 20 mm sections and 5 mm clear float glass. | sq.m | 3766.00 |
| 8032 |  | Providing and fixing anodized aluminium shutters in accordance with the specification annexed with Goa schedule of Rates (2004) Vol & II including all taxes, transportation, scaffolding and handling etc. complete as per direction of the Engineer-in-charge: windows with three sliding shutters using 18 mm series shutters section. |  |  |
| a | Acrylic sheet | sq.m | 4103.00 |
| b | Plain glass | sq.m | 4103.00 |
| c | Figured glass | sq.m | 4012.00 |
| 8033 |  | Providing and fixing anodised aluminium sliding windows with two sliding shutters 20 mm sections and 5 mm clear float glass. | sq.m | 3766.00 |
| 8034 |  | Providing and fixing anodized aluminium shutters in accordance with the specification annexed with Goa schedule of Rates (2004) Vol & II including all taxes, transportation, scaffolding and handling etc. complete as per direction of the Engineer-in-charge: Openable windows and ventilators using 18 mm series shutters section. |  |  |
| a | Acrylic sheet | sq.m | 3465.00 |
| b | Plain glass | sq.m | 3443.00 |
| c | Figured glass | sq.m | 3336.00 |
| 8035 |  | Providing and fixing anodized aluminium shutters in accordance with the specification annexed with Goa schedule of Rates (2004) Vol & II including all taxes, transportation, scaffolding and handling etc. complete as per direction of the Engineer-in-charge: Adjustable louvered windows. |  |  |
| a | Acrylic sheet | sq.m | 3497.00 |
| b | Plain glass | sq.m | 3228.00 |
| c | Figured glass | sq.m | 3228.00 |
| 8036 |  | Providing and fixing anodized aluminium shutters in accordance with the specification annexed with Goa schedule of Rates (2004) Vol & II including all taxes, transportation, scaffolding and handling etc. complete as per direction of the Engineer-in-charge: Fixed windows/ ventilators matching with 4.5 mm series shutters. |  |  |
| a | Acrylic sheet | sq.m | 3497.00 |
| b | Plain glass | sq.m | 2690.00 |
| c | Figured glass | sq.m | 2690.00 |
| 8037 |  | Providing and fixing anodized aluminium shutters in accordance with the specification annexed with Goa schedule of Rates (2004) Vol & II including all taxes, transportation, scaffolding and handling etc. complete as per direction of the Engineer-in-charge: Fixed windows/ ventilators matching with 18 mm series shutters. |  |  |
| a | Acrylic sheet | sq.m | 2553.00 |
| b | Plain glass | sq.m | 2553.00 |
| c | Figured glass | sq.m | 2462.00 |
| 8038 |  | Providing and fixing anodized aluminium shutters in accordance with the specification annexed with Goa schedule of Rates (2004) Vol & II including all taxes, transportation, scaffolding and handling etc. complete as per direction of the Engineer-in-charge: Curved fixed windows. |  |  |
| a | Acrylic sheet | sq.m | 3981.00 |
| b | Plain glass | sq.m | 3228.00 |
| c | Figured glass | sq.m | 3228.00 |
| 8039 |  | Providing and fixing anodized aluminium shutters in accordance with the specification annexed with Goa schedule of Rates (2004) Vol & II including all taxes, transportation, scaffolding and handling etc. complete as per direction of the Engineer-in-charge: Single or double leaf door shutters. |  |  |
| a | Acrylic sheet | sq.m | 3390.00 |
| b | Plain plate glass | sq.m | 3390.00 |
| c | Figured glass | sq.m | 3390.00 |
| 8040 |  | Providing and fixing anodised aluminium single or double leaf door shutters with heavy sections as specified. | sq.m | 4842.00 |
| 8041 |  | Providing and fixing anodized aluminium shutters in accordance with the specification annexed with Goa schedule of Rates (2004) Vol & II including all taxes, transportation, scaffolding and handling etc. complete as per direction of the Engineer-in-charge: Fixed partitions |  |  |
| a | Acrylic sheet | sq.m | 3009.00 |
| b | Plain plate glass | sq.m | 3009.00 |
| 8042 |  | Extra for powder coating with pure polyester powder of shade of required colour on the aluminium section | sq.m | 215.00 |
| 8043 |  | Providing & fixing frictional stay hinges of reputed make WINDFIX, GRAVICLOSE company or equivalent complete with chromium plated brass screws as required. | pair | 429.00 |
| 8044 |  | Providing and fixing hydraulic floor spring of reputed make Everrite, prabhat or equivalent as per the manufacturer's as specification having double action spring as approved by the Engineer-in-charge. | Each | 4040.00 |
| 8045 |  | Providing and fixing aluminium stay adjustor 250 mm long with minimum three holds self threading galvanized MS screws. | Each | 126.00 |
| 8046 |  | Providing and fixing in position hand rail in staircase, landings and the like with 2" dia G.I. pipe (light class) resting on 50 x 50mm M.S. square bars of clear height 40cms placed at 50cm including making necessary holdfast fixtures (30mm square bars 22 cms long) embedded in staircase concrete for restting the M.S. vertical square bars with holding etc as required including bending the G.I. pipe to necessary shape in curves with specials etc. (Measurements will be made along the length of the hand rail) | Metre | 1164.00 |
| 8047 |  | Providing and fixing of aluminium windows with three tracks and three shutters sliding windows with tubular frame sections powder coated with pure polyster powder of thickness 15-80 microns with approved standard acessories such as ball bearing rollers concealed lock, 6mm plain clear glass with EPDM beading etc. | sq.m | 5600.00 |
| 8048 |  | Providing and fixing of aluminium window with 3 tracks and 2 shutters sliding window with tobular frame ployster powder if thicness 75-80 microns with approved standard accessaries such as ball beaing rollers, concealed lock, 6mm thick plain clear glass with EPDM beading etc. | sq.m | 2971.00 |
| 8049 |  | Providing and laying of aluminium fixed with 65mm x 38mm tubular frame with 6mm thick glass sections are powder coated with pure ployster powder of thickness 75-80 microns with approved standard accessories. The glass would be fixed with taper clips with EPDM beading | sq.m | 4300.00 |
| 8050 |  | Steel work in built up tubular (round, square or rectangular hollow tubes etc.) (Square Hollow Section (SHS) IS4923 /Rectangular Hollow Section (RHS) IS4923/ Circular Hollow Section (CHS) IS1161 closed Structural Steel of (SAIL, TATA. VIZAG, JSW ,APOLLO Steel Ltd.) make (Min Yeild Stress 310 Mpa)) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. | kg | 184.00 |
| 8051 |  | Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc.with hairline finish, 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, ( for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.). | kg | 670.00 |
| 8052 |  | Supply and installation of Aluminium Louvers. The frame should be made of Aluminium tubes of size 100x50X1.50 mm thk and 50X25x1.50 mm thk C channels. Aluminium Z shaped louvers of 100mm should be fixed to the supporting frame with aluminium cleats, GI screws, etc complete. The whole assembly is powder coated with pure polyester paint. (MS framing to be paid separately) | sq.m. | 3545.00 |
| 8053 |  | Design, supply & installation of suspended Spider Glazing system (Frameless glass structural glazing) designed to withstand the wind pressure as pr IS 875 (Part-III). The Suspended System held with Spider Fittings of SS-316 Grade Steel of approved manufacturer with glass panel having 12 mm thick clear toughened glass held together with SS- 316 Grade Stainless steel Spider & bolt assembly with laminated glass fins 21mm thick. The Glass fins and glass panel assembly shall be connected to Slab/beams by means of SS- 316 Grade stainless steel brackets & Anchor bolts and at the bottom using SS channel of 50x25x2mm using fastener & anchor bolts, non staining weather sealants of approved make, Teflon/ nylon bushes and separators to prevent bi-metallic contacts, all complete to perform as per specification and approved drawings. The complete system to be designed to accommodate thermal expansion & seismic movements etc. The joints between glass panels (6 to 8 mm) and gaps at the perimeter & in U channel of the assembly to be filled with non staining weather sealant, so as to make the entire system fully water proof & dust proof. The rate shall include all design, Engineering and shop drawing including approval from structural designer, labour, T&P, scaffolding , other incidental charges including wastage, enabling temporary services all fitting fixers nut bolts, washer, Buffer plates, fastener, anchors, SS channel laminated glass etc. all complete. For the purpose of payment, actual elevation area of Glazing including thickness of joints and the portion of Glass panel inside the SS channel shall be measured. | sq.m. | 12357.00 |
| 8054 |  | Extra over design, supply and installation of Spider glazing system, for provision of 12mm thk clear toughened glass door shutter fittings including the cost of top & bottom patch fitting, over panel patch, panel connector pivot, over panel/sidepanel connector with pivot, bottom lock, stainless steel hardware fittings of 316 grade for operating door i.e. door handle 450mm Lg, floor spring of approved make and locking arrangement etc. complete including the cost of cutting the floor and making good the same, as per design and drawing all complete as required. | sq.m. | 9873.00 |
| 8055 |  | Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer (Door handle, lock and stopper etc.to be paid separately) | sq.m. | 12736.00 |
| 8056 |  | Providing & fixing in position fixed glass for shower partition with 10mm toughened clear glass on patch fittings in SS 316 grade, Reinforcement bar, silicone sealant Complete. | sq.m. | 6525.00 |
| 8057 |  | Providing and supplying aluminium extruded tubular and other aluminium sections as per the architectural drawings and approved shop drawings , the aluminium quality as per grade 6063 T5 or T6 as per BS 1474,including super durable powder coating of 60-80 microns conforming to AAMA 2604 of required colour and shade as approved by the Engineer. (The item includes cost of material such as cleats, sleeves, screws etc. necessary for fabrication of extruded aluminium frame work. Nothing extra shall be paid on this account). | kg | 460.00 |
| 8058 |  | Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight 120-150 kg for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer. a) With stainless steel cover plate minimum 1.25 mm thickness | Each | 9490.00 |
| 8059 |  | Supply & Fixing of Aluminium Plain Exterior Ventilated Facade of approved colour consisting of liniar roll formed panel 84 mm wide x 16 mm deep x 0.6 mm thick with round edges panel length upto 6 meter coil coated on a continuous paint line double baked and roll formed from enameled corrosion Resistance Aluminum Alloy AA3005 / AA3003 (Al.Mn.) for higher strength and good Roll forming characteristics. Panels shall be clipped at a distance of 146mm with a gap of 62mm between two panels to baked enameled Aluminium panel stringer 33mm wide and 48mm deep x 0.95 mm thick in a standard length of 5mtrs made of double baked enameled Aluminium Alloy AA5050 (Al.Mg.) white to hold the panel in a module of 86mm centre to centre. The prongs on stringers shall be to accommodate a gap of 62 mm between two panels as per enclosed profile details. stringers shall be fixed at 150 mm from panel ends and at a distance of less than 1000 mm center to center across the panel span based on the wind load criteria. The Stringer shall be fixed to a suitable structure (other’s scope) by means of rigid fixing details. All properties and specifications shall comply with ECCA directives and more specifically EN 1396:1996. | sq.m. | 2593.00 |
| Paint Finish: Panel shall be stove enamelled and finished with standard color Natural TF Silver (7080) or Pure White (0260) or any other colour max. 10% quantity, a special three layered coating system (consisting of first a conversion layer of thickness 800-2000mg/sqmtr, a polyurethane basecoat of 16-20 microns, and a special top coat of polyamide particles of 8-12 microns thick to provide excellent abrasion and damage resistance) in a continuous coil coating process of the approved colour on the exposed side and the reverse side with epoxy. Complete including Wall, corner profiles as per manufacturers’ specifications etc. (MS Substructure to be paid separately, Rate to include all ridge, eaves, valley & joints flashing, verge & junction trims, facia, etc. of similar finish, making cut-outs for light fittings, diffusers, columns, etc. as required, complete as per approved shop drawings and as directed/ approved by Engineer.) |
| 8060 |  | Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building , for all heights and all levels etc. including: a) Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design. b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metalic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc. | sq.m. | 3717.00 |
|  | c) The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing The item includes cost of all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium items. The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete , as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer. However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminum Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places. |
| 8061 |  | Providing and fixing carbon steel galvanised (minimum coating 5 micron) dash fastner of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm2), counter sunk head, comprising of 10 m dia polyamide PA6 grade sleeve, including drilling of hole in frame, concrete/ masonry, etc. as per direction of Engineer. |  |  |
|  | a | 10 x 60 mm. | Each | 75.00 |
|  | b | b) 10 x 80mm | Each | 76.00 |
|  | c | c) 10 x 120mm | Each | 96.00 |
|  | d | d) 10 x 140mm | Each | 98.00 |
|  | e | e) 10 x 160mm | Each | 131.00 |

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| **CHAPTER XII** | | | | |
| **FLOORING AND FLOOR FINISHES** | | | | |
| **SR. NO** |  | **DESCRIPTION** | **UNIT** | **RATE** |
| 9001 |  | First class brick flooring in cement mortar 1:4 (1 cement: 4 fine sand) | sq.m | 939.00 |
| 9002 |  | First class brick flooring in cement mortar 1:6 (1 cement: 6 fine sand) | sq.m | 910.00 |
| 9003 |  | Second class dry brick flooring including filling joints with fine sand. | sq.m | 791.00 |
| 9004 |  | 25 mm cement concrete flooring 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 12.5 mm nominal size) finished with a floating coat of neat cement. | sq.m | 309.00 |
| 9005 |  | Cement concrete flooring 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement. |  |  |
| a | 40 mm thick | sq.m | 417.00 |
| b | 50 mm thick | sq.m | 741.00 |
| c | 75 mm thick | sq.m | 636.00 |
| 9006 |  | 40 mm. thick red oxide flooring under layer of 30 mm thick cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 12.5mm nominal size) and top layer of 10 mm thick plaster of cement red oxide mix using 3.5 kg. Of red oxide of iron per 50 kg. of cement 1:3(1cement : 3 coarse sand) finished with floating coat of neat cement red oxide mix of same proportion. | sq.m | 962.00 |
| 9007 |  | Add or deduct for using more or less than 3.5 kg of redoxide of iron per 50 kg. Cement in 40 mm thick red oxide flooring. | sq.m | 42.00 |
| 9008 |  | Cement concrete pavement (25 mm to 50 mm thick) with 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) including finishing complete \*: per extra kg. of redoxide used for each 50 kg of cement. | cu.m | 8292.00 |
| 9009 |  | Extra for making chequeres of approved pattern on cement concrete floor, steps, landings pavements etc. | sq.m | 41.00 |
| 9010 |  | 52mm thick cement concrete flooring with metallic concrete hardener topping, under layer of 40 mm thick cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) and top layers 12 mm thick metallic cement hardener constituting of mix 1:2 (1 cement: 2 graded stone aggregate 6 mm nominal size by volume with which metallic quality is mixed in ratio 4:1 (4 parts of cement: 1 part of metallic) hardening compound of approved floor hardening compound of approved quality) by weight, including finishing complete. | sq.m | 602.00 |
| 9011 |  | Cement plaster skirting upto 30 cm height with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement including of rounding of junction with floor |  |  |
| a | 18 mm thick | sq.m | 150.00 |
| b | 21 mm thick | sq.m | 387.00 |
| 9012 |  | Red oxide plaster skirting (upto 30 cm height) with top layer of 6 mm thick plaster of cement mix using 3.5 kg of red oxide of iron per 50 kg of cement in mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of cement red oxide mix of same proportion. |  |  |
| a | 18 mm thick with under layer 12 mm thick cement plaster 1:3 (1 cement: 3 coarse sand) | sq.m | 464.00 |
| b | 21 mm thick with under layer 12 mm thick cement plaster 1:3 (1 cement: 3 coarse sand) | sq.m | 484.00 |
| 9013 |  | Add or deduct for using more or less 3.5 kg of red oxide of iron per 50 kg of cement in 18 mm or 21 mm thick red oxide plaster skirting. \*: Per extra kg. of red oxide used for each 50 kg of cement. | sq.m | 14.00 |
| 9014 |  | 40 mm. thick marble chips flooring rubbed and polished to granolithic finish under layer 34 mm thick cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded basaltic or ganitic stone aggregate 12.5 mm nominal size) and top layer 6 mm thick white black or white and black marble chips of sizes from 1MM to 4 mm nominal size laid in cement marble powder mix 3:1 (3 cement: 1 marble powder by weight in proportion of 4:7 (4 cement marble powder mix: 7 marble chips by volume). |  |  |
| a | Dark shade pigment with ordinary cement | sq.m | 697.00 |
| b | Light shade pigment with white cement | sq.m | 750.00 |
| c | Medium shade pigment with approximately 50% white cement & 50% ordinary cement. | sq.m | 726.00 |
| d) | White cement without any pigment | sq.m | 1196.00 |
| e | Light shade pigment with ordinary cement | sq.m | 1210.00 |
| 9015 |  | 40 mm. thick marble chips flooring rubbed and polished to granolithic finish under layer 31 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand: 4 graded basaltic or ganitic stone aggregate 12.5 mm nominal size) and top layer 9 mm thick white black or white and black marble chips of sizes 4 to 7 mm nominal size laid in cement marble powder mix 3:1 (3 cement: 1 marble powder by weight in proportion of 4:7 (4 cement marble powder mix : 7 marble chips by volume). |  |  |
| a | Dark shade pigment with ordinary cement | sq.m | 738.00 |
| b | Light shade pigment with white cement | sq.m | 814.00 |
| c | Medium shade pigment with approximately 50% white cement & 50% ordinary cement. | sq.m | 854.00 |
| d | White cement without any pigment | sq.m | 758.00 |
| e | Light shade pigment with ordinary cement | sq.m | 741.00 |
| 9016 |  | 40 mm. thick marble chips flooring rubbed and polished to granolithic finish under layer 28 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand: 4 graded basaltic or granitic stone aggregate 12.5 mm nominal size) and top layer 12 mm thick with black or white and black marble chips of sizes 7 to 10 mm nominal size laid in cement marble powder mix 3:1 (3 cement: 1 marble powder by weight in proportion of 2:3 (2 cement marble powder mix : 3 marble chips by volume). |  |  |
| a | Dark shade pigment with ordinary cement | sq.m | 1359.00 |
| b | Light shade pigment with white cement | sq.m | 1466.00 |
| c | Medium shade pigment with approximately 50% white cement & 50% ordinary cement. | sq.m | 1415.00 |
| d | White cement without any pigment | sq.m | 791.00 |
| e | Light shade pigment with ordinary cement | sq.m | 796.00 |
| 9017 |  | Marble chips skirting (upto 30 cm height) rubbed and polished to granolithic finish top layer 6 mm thick with white black or white and black marble chips of sizes from smallest to 40 mm nominal size laid in cement marble powder mix 3: (3 cement : 1 marble powder ) by weight in proportion of 4 : 7 (4 cement marble powder mix : 7 marble chips ) by volume 18 mm thick under layer 12 mm thick cement plaster 1:3 (1 cement) 3 coarse sand) |  |  |
| a | Dark shade pigment with ordinary cement | sq.m | 823.00 |
| b | Light shade pigment with white cement | sq.m | 871.00 |
| c | Medium shade pigment with approximately 50% white cement & 50% ordinary cement. | sq.m | 851.00 |
| d | White cement without any pigment | sq.m | 955.00 |
| e | Light shade pigment with ordinary cement | sq.m | 958.00 |
| 9018 |  | Extra for providing & fixing aluminium strips 40 mm wide x 1.16 mm thick in joints of terrazo floor. | Metre | 79.00 |
| 9019 |  | Extra for laying terrazo flooring in borders, margins & similar band not exceeding 30 cm in width. | sq.m | 30.00 |
| 9020 |  | Extra for laying terrazo flooring on staircase treads not exceeding 30 cm in width including the cost of forming nosing etc. | sq.m | 44.00 |
| 9021 |  | Extra for laying terrazo in narrow band not exceeding 7.5 cm width. | sq.m | 62.00 |
| 9022 |  | Precast terrazo tiles 20 mm thick with white, black or white and black marble chips of size upto 6 mm laid in floors, thread of steps & landings 25 mm thick bed of lime mortar 1: 4 (1 cement : 4 coarse sand jointed with neat cement slurry mixed with pigment to match the shade of the tiles incl. Rubbing & polishing completed with precast tiles of . |  |  |
| a | Light shade using white cement | sq.m | 1048.00 |
| b | Medium shades using approximately 50% ordinary cement. | sq.m | 1032.00 |
| c | Dark shade using ordinary cement. | sq.m | 1017.00 |
| d | Dark shade using ordinary cement with pigment | sq.m | 1020.00 |
| 9023 |  | Precast terrazo tiles 20 mm thick with white, black or white and black marble chips of size upto 6 mm laid in floors, thread of steps & landings 25 mm thick bed of lime mortar 1: 2 (1 lime putty : 2 surkhi ) jointed with neat cement slurry mixed with pigment to match the shade of the tiles incl. Rubbing & polishing complete with precast tiles of. |  |  |
| a | Light shade using white cement | sq.m | 953.00 |
| b | Light shade using pigment | sq.m | 937.00 |
| c | Dark shade using ordinary cement. | sq.m | 913.00 |
| d | Dark shade using ordinary cement with pigment | sq.m | 924.00 |
| 9024 |  | Extra if terrazo tiles are laid in treads of steps not exceeding 20 cm in width. | sq.m | 53.00 |
| 9025 |  | Precast terrazo tiles 20 mm thick with marble chips of sizes upto 6 mm in skirting & risers of steps not exceeding 30 cm in height on 12 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) jointed with neat cement slurry including rubbing and polishing completed with precast tiles of |  |  |
| a | Light shade using white cement | sq.m | 1444.00 |
| b | Light shade using pigment | sq.m | 1420.00 |
| c | Dark shade using ordinary cement. | sq.m | 1380.00 |
| d | Dark shade using pigment | sq.m | 1383.00 |
| 9026 |  | Precast terrazo tiles 20 mm thick with marble chips of sizes upto 6 mm fixed on walls of 12 mm bed of cement plaster 1:3 (1 cement : 3 coarse sand) jointed with neat cement slurry including rubbing and polishing completed with precast tiles of : |  |  |
| a | Light shade using white cement | sq.m | 2096.00 |
| b | Light shade using pigment | sq.m | 2072.00 |
| c | Dark shade using ordinary cement. | sq.m | 1384.00 |
| d | Dark shade using pigment | sq.m | 1388.00 |
| 9027 |  | Extra if cut tiles other than half tiles are used in risers of steps skirting and dado in risers of steps, skirting and dado. | sq.m | 1763.00 |
| 9028 |  | Chequered terrazo tiles 22 mm thick with marble chips of sizes upto 6 mm in floor on 25 mm thick bed of lime mortar 1:1:1 (1 lime putty : 1 surkhi : 1 coarse sand ) jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and polishing completed. |  |  |
| a | Light shade using white cement | sq.m | 1051.00 |
| b | Light shade using pigment | sq.m | 1025.00 |
| c | Dark shade using ordinary cement. | sq.m | 1025.00 |
| 9029 |  | Chequered terrazo tiles 22 mm thick with marble chips of sizes upto 6 mm in floor on 25 mm thick bed of lime mortar 1:2 (1 lime putty : 2 coarse sand ) jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and polishing completed. |  |  |
| a | Light shade using white cement | sq.m | 955.00 |
| b | Light shade using pigment | sq.m | 931.00 |
| c | Dark shade using ordinary cement. | sq.m | 929.00 |
| d | Dark shade using pigment | sq.m | 933.00 |
| 9030 |  | Precast plain cement chequered tiles 22 mm thick of required shades laid in floors, treads of steps and landing on 20 mm thick bed of Cement mortar 1:4 (1cement : 4 coarse sand) jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and cleaning etc. complete. |  |  |
| a | Light shade using white cement | sq.m | 1311.00 |
| b | Medium shade using pigment with 50% white cement 50% Grey cement | sq.m | 1286.00 |
| c | Dark shades using ordinary cement | sq.m | 1231.00 |
| d | Dark shades without any pigment | sq.m | 1157.00 |
| 9031 |  | Precast plain cement chequered tiles 22 mm thick laid in floors teads of steps and landing on 25 mm thick bed of lime mortar 1:1:1 (1 lime :1 surkhi: 1 coarse sand) jointed with neat cement slurry including rubbing and polishing complete. | sq.m | 1193.00 |
| 9032 |  | Precast plain cement tiles 20 mm thick fixed on walls, on 12 mm bed of cement plaster 1:3 (1 cement : 3 coarse sand) jointed with neat cement slurry including rubbing and polishing complete. | sq.m | 1412.00 |
| 9033 |  | Providing and fixing precast terrazo, chequered or plain tiles of any shades with grooves in the nosing in treads of steps on 25 mm thick bed of lime mortar 1:1:1 (1 lime : 1 surkhi : 1 coarse sand) jointed with neat cement slurry mixed with pigment to match the shades of tiles including rubbing and polishing complete. | sq.m | 1352.00 |
| 9034 |  | White glazed tiles 6 mm thick in flooring treads of steps & landings laid on a bed of 12 mm thick cement mortar 1:3 (1 cement : 3 coarse sand) finished with flush pointing in white cement. | sq.m | 1303.00 |
| 9035 |  | Extra for laying white glazed tiles in treads of steps not exceeding 30 mm in width. | sq.m | 151.00 |
| 9036 |  | White glazed tiles 6 mm thick in skirting, risers of steps & dado on 12 mm thick cement plaster 1:3 (1 cement : 3 coarse sand and jointed with white cement slurry. | sq.m | 1439.00 |
| 9037 |  | Extra for laying white glazed tiles in skirting, risers of steps, and dado where they are required to be cut (only area of portion of cut tiles to be measured). | sq.m | 176.00 |
| 9038 |  | Providing and fixing 50 mm internal or external angles of glazed tiles. | Metre | 94.00 |
| 9039 |  | Marble stone slab flooring over : |  |  |
|  | 20 mm (average) thick base of lime mortar 1:1:1 (1 lime Putty: 1 surkhi:1 coarse sand) laid and jointed with grey cement slurry including rubbing & polishing complete. |  |  |
| a | Pure white makrana marble slab 25 mm thick. | sq.m | 8063.00 |
| b | White makrana marble with blue or black veins (25 mm thick) | sq.m | 3251.00 |
| 9040 |  | Marble tiles in risers of steps, skirtings, dado, walls and pillars laid on 12 mm (average) thick base of cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry including rubbing and polishing complete with Kotah stone slab flooring over 20 mm (average thick base of lime mortar 1:1:1 (1 lime putty : 1 surkhi : 1 coarse sand) laid |  |  |
| a | Plain white makrana marble slab 25 mm thick | sq.m | 10112.00 |
| b | White makrana marble with blue or black vein (25 mm thick) | sq.m | 5299.00 |
| 9041 |  | Kotah stone slab flooring over 20 mm (average) thick base laid over & jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing & complete with base of lime mortar 1:1:1 (1 lime putty : 1 surkhi : 1 coarse sand) | sq.m | 1531.00 |
| 9042 |  | Kotah stone slab flooring over 20 mm (average) thick base laid over & jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing & complete with base of cement mortar 1:4 (1 cement : 4 coarse sand) |  |  |
| a | 20 mm thick. | sq.m | 1581.00 |
|  | b | Kotah stone slab flooring over 25 mm thick in risers of steps, skirtings, dado & pillars laid on 12mm (average) thick cement mortor 1:3 (1 cement : 3 coarse sand) & jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing & polishing complete. | sq.m | 1668.00 |
| 9043 |  | 25 mm wooden plank tongued and grooved, in flooring including fixing with iron screws complete with |  |  |
| a | Second class Indian teak wood. | sq.m | 5058.00 |
| b | Second class matti wood | sq.m | 3340.00 |
| 9044 |  | Colour glazed tiles 6 mm thick in flooring, treads of steps, landings laid on a bed of 12 mm thick cement mortar 1:3 (1 cement : 3 coarse sand) finished with flush jointing in coloured cement of required pigment. | sq.m | 1368.00 |
| 9045 |  | Colour glazed tiles 6 mm thick in skirtings risers of steps, dado laid on a bed of 12 mm thick cement plaster 1:3 (1 cement : 3 coarse sand ) jointed with white cement slurry. | sq.m | 1316.00 |
| 9046 |  | Providing and fixing colured plain ceramic glazed internal or external angles of 50 mm size. | Metre | 303.00 |
| 9047 |  | Providing and laying crazy paving (as per design shown in the drawing or as directed by the engineer-in- charge) with approved quality shahabad tile 20 mm thickness (unpolished) of specified sizes laid on 20 mm thick (average) bed of cement mortar 1:5 (1 cement : 5 coarse sand) as directed completed. | sq.m | 789.00 |
| 9048 |  | Cuddappah stone slab machine cut flooring over 20mm (average) thickness of cement mortar 1:4 (1 cement : 4 coarse sand laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete - 25 mm thick. | sq.m | 1167.00 |
| 9049 |  | Providing and fixing coloured ceramic tiles spartek or equivalent of 8" x 8" size and 6 mm thick in skirting and dados on 12 thick cement plaster 1:3 (1 cement : 3 coarse sand) and jointed with cement slurry complete. | sq.m | 876.00 |
| 9050 |  | Providing and fixing coloured ceramic tiles spartek or equivalent of 8" x 4" size and 6 mm thick in skirting and dados on 12 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) and jointed with cement slurry complete. | sq.m | 876.00 |
| 9051 |  | Providing and fixing coloured ceramic tiles spartek or equivalent of 12 " x 12" (399x150 mm cut size) 6 mm thick in skirting and dados on 12 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) and jointed with cement slurry complete. | sq.m | 876.00 |
| 9052 |  | Providing and fixing coloured ceramic tiles spartek or equivalent of 8" x 8" size and 6 mm thick in floors thread of steps and landing on 25 mm thick bed of cement mortar 1:3 and jointed with cement slurry complete. | sq.m | 979.00 |
| 9053 |  | Providing and fixing coloured ceramic tiles spartek or equivalent of 8" x 4" size and 6 mm thick in floors thread of steps and landing on 25 mm bed of cement of cement mortar 1:3 and jointed with cement slurry complete. | sq.m | 1002.00 |
| 9054 |  | Providing and fixing coloured ceramic tiles spartek or equivalent of 12" x 12" size and 6 mm thick in floors thread of steps and landing on 25 mm thick bed of cement mortar 1:3 and jointed with cement slurry complete. | sq.m | 1022.00 |
| 9055 |  | Precast terrazao tiles 20 mm thick with white, black or white, black marble chips of size upto 6 mm laid in floors, thread of steps & landings 25 mm thick bed of cement mortar 1:4 (1 cement : 4 coarse sand) jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbling & polishing complete with precast tiles of |  |  |
| a | Light shade using while cement | sq.m | 1097.00 |
| b | Medium shades suing approx. 50% ordinary cement | sq.m | 1143.00 |
| c | Dark shade using ordinary cement | sq.m | 1099.00 |
| d | Dark shade using ordinary cement with pigment | sq.m | 955.00 |
| 9056 |  | Rounding of edges of marble slab to semi circular slope | Metre | 468.00 |
| 9057 |  | Providing and laying ceramic tiles 12”x12” in floors treads of steps landings with adhesive including filling the joints with required pigment etc. complete as directed by the engineer-in-charge | sq.m | 855.00 |
| 9058 |  | Providing 20mm thick marble slab to urinal partitions with cement complete | sq.m | 10270.00 |
| 9059 |  | Providing and laying jet black mirror polish granite flooring and dado over 20mm thick base of cement mortar 1:4 laid over and jointed with cement slurry including rubbling complete Granitic slab (jet blck with mirror polish) 20 mm thick add q0% wastage 1.00 | sq.m | 3068.00 |
| 9060 |  | Providing and laying 20mm thick cuddapah in shelves over 20 mm thick base of cement mortar 1:3 complete | sq.m | 781.00 |
| 9061 |  | Providing 25 mm thick cuddapah slabs machine cut and polished on either side in partitions including making necessary grooves in the wall and fixing with cement mortar, complete as directed by the engineer-in-charge | sq.m | 947.00 |
| 9062 |  | Providing and laying 25 mm shahabad stone flooring over 25 mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand) laid over with grey cement slurry mixed with pigment, including. Rubbing and polishing complete. | sq.m | 1166.00 |
| 9063 |  | Marble stone flooring with 18 mm thick marble stone (sample of marble shall be approved by Engineer-in-charge) over 20mm (average) thick base of cement Mortar 1:4 (1 cement:4 coarse ) using : |  |  |
| a | white Makrana Marble. | sq.m | 8000.00 |
| b | White Makrana Marble with blue or black veins | sq.m | 2418.00 |
| 9064 |  | Fixing glazed/ceramic/vitrified floor tiles with cement based high polymer midified quick-set tile adhensive (waterbased) conforming to IS 15477, using 5kg. Adhensive per sq.m. of tile area, in avg 3mm thickness . | sq.m | 414.00 |
| 9065 |  | Providing and fixing Kota stone tread tiles 35mm thick in single piece with rounded of nosing antiskid groove laid on and including 20mm (average ) thk bed of cement slurry including pointing with pigmented cement slurry to match the shade of the slab, cleaning etc. complete. | sq.m | 1928.00 |
| 9066 |  | Providing and fixing vitrified matt finished (600x600) and 10mm thick tiles in floor, treads of steps, landing on 25mm thick bed of cement mortar 1:3 and jointed with cement slurry complete. | sq.m | 1120.00 |
| 9067 |  | Providing and fixing vitrified glossy finished (600x600) and 10mm thick tiles in floor, treads of steps, landing on 25mm thick bed of cement mortar 1:3 and jointed with cement slurry complete. | sq.m | 912.00 |
| 9068 |  | Providing and fixing vitrified antiskid tiles (320x320) and 10mm thick tiles in floor, treads of steps, landing on 25mm thick bed of cement mortar 1:3 and jointed with cement slurry complete. | sq.m | 1128.00 |
| 9069 |  | Precast plain Cement Tacktiles 32mm thk of required shade in floors, treads of steps and landing laid on 25mm bed of cement mortar 1:4(1cement:4coarse sand) jointed with neat cement slurry with pigment to match the shade of tiles including rubbing and polishing complete. | sq.m | 1161.00 |
| 9070 |  | Providing and fixing Vinyl flooring of approved shade and design with adhesive complete. | sq.m | 925.00 |
| 9071 |  | Providing red agra stone flooring 30 mm thickness (avg) on 20 mm thick base of cement mortar 1:4 (1 cement :4 coarse send) jointed with grey cement slurry mixed with pigment to match the shade of the tile including rubbing and polishing complete | sq.m | 1493.00 |
| 9072 |  | Providing and fixing coloured ceramic tiles (Bell or equivalent) of 8" x 12" size and 6 mm thick in skirting and dados on 12 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) and jointed with cement slurry complete. | sq.m | 852.00 |
| 9073 |  | Providing and fixing coloured ceremic tiles(bell or equivalent) of 16" x 16" size and 6 mm thick in skirting and dados on 12 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) and jointed with cement slurry complete. | sq.m | 876.00 |
| 9074 |  | Providing and fixing 1st quality ceramic glazed wall tiles (Johnson, Somany, Kajaria )conforming to IS:15622 (thickness to be specified by the manufacture of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-charge in skirting, risers of steps and dados over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand ) and jointing with grey cement slurry @3.3kg per sq.m including pointing in white cement mixed with pigment of matching shade complete. |  |  |
|  | a | Wall Ceramic Glazed Tiles : 200 x 300 | sq.m | 792.00 |
|  | b | Wall Ceramic Glazed Tiles : 300 x 450 | sq.m | 892.00 |
|  | c | Wall Ceramic Glazed Tiles : 300 x 600 | sq.m | 988.00 |
| 9075 |  | Providing and and laying Ceramic glazed floor tiles 300 x 300 (thickness to be specified by the manufacturer) of 1st quality conforming to IS:15622 of approved make in colours such as white, ivory, grey, fume red, brown laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigment etc., complete | sq.m | 1016.00 |
| 9076 |  | Providing and and laying antiskid floor tiles 12 x 12 upto 16 x 16 in of Johnson, Somany, Kajaria (thickness to be specified by the manufacturer) of 1st quality conforming to IS:15622 of approved make in shades as specified laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigment etc., complete |  |  |
| a | Dark Shades | sq.m | 968.00 |
| b | Light Shades | sq.m | 926.00 |
| 9077 |  | Providing and and laying rustic floor tiles (rectified) 374 x 374 mm of Johnson, Somany, Kajaria or equivalent (thickness to be specified by the manufacturer) of 1st quality conforming to IS:15622 of approved make in shades as specified laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigment etc., complete |  |  |
| a | Dark Shades | sq.m | 1048.00 |
| b | Light Shades | sq.m | 1240.00 |
| 9078 |  | Providing and and laying vitrified floor tiles in different sizes of Johnson, Somany, Kajaria (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622 of approved make in colours and shades as specified laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand) including grouting the joints with white cement and matching pigment etc., complete |  |  |
| a | 600x 600 mm Dark Shades | sq.m | 1128.00 |
| b | 600 x 600 mm light Shades | sq.m | 1057.00 |
| c | 900x 900 mm Dark Shades | sq.m | 1271.00 |
| d | 900 x 900 mm light Shades | sq.m | 1134.00 |
| 9079 |  | Providing and and laying scratch resistant floor tiles in different sizes of Johnson, Somany, Kajaria (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622 of approved make in colours and shades as specified laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand) including grouting the joints with white cement and matching pigment etc., complete |  |  |
| a | 600x 600 mm Dark Shades | sq.m | 1333.00 |
| b | 600 x 600 mm light Shades | sq.m | 1307.00 |
| 9080 |  | Providing and laying vitrified industrial floor tiles in different sizes of Johnson, Somany, Kajaria (thickness to be specified by the manufacturer) and conforming to IS:15622 of approved make in colours and shades as specified laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand) including grouting the joints with white cement and matching pigment etc., complete |  |  |
| a | 300 x 300 mm darkShades - 10 mm thick | sq.m | 1279.00 |
| b | 300 x 300 mm dark Shades - 12mm thick | sq.m | 1460.00 |
| c | 300 x 300 mm Light Shades - 10 mm thick | sq.m | 1307.00 |
| d | 300 x 300 mm Light Shades - 12mm thick | sq.m | 1574.00 |
| 9081 |  | Providing and and laying vitrified unglazed porcelain tactile floor tiles in different sizes of Johnson, Somany, Kajaria (thickness to be specified by the manufacturer) and conforming to IS:15622 of approved make in colours and shades as specified laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand) including grouting the joints with white cement and matching pigment etc., complete |  |  |
| a | 300 x 300 mm Design - Liner | sq.m | 985.00 |
| b | 300 x 300 mm Design - Buttons | sq.m | 985.00 |
| 9082 |  | Deduct for not using 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding in laying of floor tiles | sq.m | 462.00 |
| 9083 |  | Fixing glazed / ceramic / vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (water based) conforming to IS:15477, using 5 kg. adhesive per sq.m of tile area, in average 3 mm thickness | sq.m | 293.00 |
| 9084 |  | Providing and laying factory made Shot blasted cement concrete interlocking paver block of minimum M35/M40 grade made by heavy duty block making machine with strong vibratory compaction and of aprpoved size and design / shape laid in 50 mm thick compacted bed of coarse sand, filling the joints with coarse sand, etc. all complete as per the direction of Engineer.- in I, Wave, Rectangular, Square etc. shapes. The products should comply to IS 15658:2006 and manfucatured by ISO9001: 2008 certified plant. The shot blasting should be done using 0.4-0.5mm dia steel shots with a speed of 3200 rpm. |  |  |
| a | 60 mm thick in all colours except grey (M35 grade) | sq.m. | 1200.00 |
| b | 60 mm thick in Grey colour (M35 grade) | sq.m. | 1139.00 |
| c | 80 mm thick in all colours except grey (M40 grade) | sq.m. | 1233.00 |
| d | 80 mm thick in grey colour (M40 grade) | sq.m. | 1175.00 |
| 9085 |  | Providing and fixing in position Glass mossaic tiles at finished plain/flat/curved/inclided surface of size 10-50 mm square x 4 mm in all colour, design , fixing in customize design as per direction of Engineer. The glass mosaic tiles to be fixed on the surface with the help of approved adhesive applied at the rate of 2.5 kg per sqm and grouting of the same. The rate is inclusive of all operation, material and required pattern approved by Engineer. | sq.m. | 1911.00 |
| 9086 |  | Vaccum dewatering of laid concrete for roads/ areas using Tremix machinery including formwork with MS channel/ angle sections on sides of concrete with proper supporting system, surface/screed & needle vibrating & levelling of concrete. Vaccum dewatering should be done using suction mats (spread on surface) & suction pump, power floating/ troweling using screen floater, manual spreading of hardening compound (if any), smooth/rough/broom finish to the required slope, camber & level, groove cutting (upto 10mm wide x50mm deep) for contraction/expansion, construction & longitudinal hoints, Providing dowel bars with sleeve/tie bars, filling two component polysuphide sealant/joint filler (Bitumen hot sealing compound: Grade A), taping with masking tape etc complete. (Concrete, reinforcement, Dowel Bar with sleeve/tie bar Reinforcement, tarpaulin sheet to be paid separately) | cu.m. | 1143.00 |
| 9087 |  | Providing and fixing Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps and dados, jointing with grey cement slurry @3.3 kg per sqm, including pointing/grouting in white cement mixed with pigment of matching shade complete. |  |  |
| a | 600 x 600 mm - Dark Shades | sq.m. | 1050.00 |
| b | 600 x 600 mm - light Shades | sq.m. | 980.00 |
| c | 900 x 900 mm - Dark Shades | sq.m. | 1194.00 |
| d | 900 x 900 mm - light Shades | sq.m. | 1174.00 |
| 9088 |  | Providing and laying flamed finish Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer : Flamed finish granite stone slab. |  |  |
| a | Jet Black | sq.m. | 4612.00 |
| b | Cherry Red | sq.m. | 2446.00 |
| c | Elite Brown | sq.m. | 2433.00 |
| d | Cat Eye | sq.m. | 3305.00 |
| 9089 |  | Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite of any colour and shade, area of slab over 0.50 sqm |  |  |
| a | Jet Black | sq.m. | 4085.00 |
| b | Cherry Red | sq.m. | 3356.00 |
| c | Elite Brown | sq.m. | 3356.00 |
| d | Cat Eye | sq.m. | 4152.00 |
| 9090 |  | Jaisalmer stone flooring with 18mm thick polished Jaisalmer stone over 20mm (average) thick base of CM 1:4 (1 cement : 4 Coarse sand) with joints finished flush | sq.m. | 2042.00 |
| 9091 |  | Providing and fixing Scratch resistant ceramic tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps and dados, jointing with grey cement slurry @3.3 kg per sqm, including pointing/grouting in white cement mixed with pigment of matching shade complete. |  |  |
| a | 600 x 600 mm - Dark Shades | sq.m. | 1249.00 |
| b | 600 x 600 mm - Light Shades | sq.m. | 1230.00 |
| 9092 |  | Providing and laying in design & pattern factory made chamfered edge Cement Concrete paver blocks ( C. C. paver blocks) of M35/M40 strength, thickness & size/shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of fine sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with river/manufactured sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand in footpath, parks, lawns, drive ways or light traffic parking etc. complete as per manufacturer’s specifications & direction of Engineer. |  |  |
| a | 60mm thick with Grey colour (M35 grade) | sq.m. | 1064.00 |
| b | 60mm thick with Red/ Black colour (M35 grade) | sq.m. | 1122.00 |
| c | 60mm thick with Yellow/ Orange/ Earth colour (M35 grade) | sq.m. | 1122.00 |
| d | 80 mm thick with Grey colour (M40 grade) | sq.m. | 1157.00 |
| e | 80 mm thick with Red/ Black colour (M40 grade) | sq.m. | 1216.00 |
| f | 80 mm thick with Yellow/ Orange/ Earth color (M40 grade) | sq.m. | 1216.00 |
| 9093 |  | Providing and fixing Granite stone slabs (flamed finish) 18mm thick in risers of steps, skirting, dado and pillars laid on cement paste and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete |  |  |
| a | Jet black | sq.m. | 3434.00 |
| b | Cherry Red | sq.m. | 2635.00 |
| c | Elite Brown | sq.m. | 2635.00 |
| d | Cat Eye | sq.m. | 3507.00 |
| 9094 |  | Providing and fixing Granite stone slabs (mirror polished) 18mm thick in risers of steps, skirting, dado and pillars laid on cement paste and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete |  |  |
| a | Jet black | sq.m. | 3434.00 |
| b | Cherry Red | sq.m. | 2635.00 |
| c | Elite Brown | sq.m. | 2635.00 |
| d | Cat Eye | sq.m. | 3507.00 |
| 9095 |  | Providing and laying in design & pattern factory made PVC RUBBER MOULDED Interlocking Cement Concrete paver blocks of M35/M40 strength, thickness & size/shape, made by table vibratory method using Rubber mould, laid in required colour & pattern over 50mm thick compacted bed of fine sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with river/manufactured sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand in footpath, parks, lawns, drive ways or light traffic parking etc. complete as per manufacturer’s specifications & direction of Engineer. |  |  |
| a | 60mm thick -Grey colour (M35 grade) | sq.m. | 846.00 |
| b | 60mm thick -Coloured other than Grey (M35 grade) | sq.m. | 905.00 |
| d | 80 mm thick -Grey colour (M40 grade) | sq.m. | 1052.00 |
| e | 80 mm thick -coloured other than Grey (M40 grade) | sq.m. | 1111.00 |
| 9096 |  | Crazy ceramic tile flooring (China Mosaic flooring), with under layer 12 mm thick cement mortar 1:4 (1 cement: 4 coarse sand), with joints not exceeding 5 mm, including filling the gaps with ordinary cement mixture & mixing with synthetic polyester fibre, triangular in shape having specific gravity of 1.34 to 1.40, cross section size ranging from 10 to 40 micron & length upto 6 mm , mixing fibre @ 125 grams per 50 kg of cement in cement mortar, including providing and mixing water proofing material in mortar @ 1 kg per 50 kg of cement, all complete as per direction of Engineer-in-charge. | sq.m. | 798.00 |
| **CHAPTER XIII** | | | | |
| **ROOFING & CEILING WORKS** | | | | |
| **SR. NO.** |  | **DESCRIPTION** | **UNIT** | **RATE** |
| 10001 |  | Providing corrugated G.I. sheet roofing, fixed with galvanized iron j or 1 hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers filled with white lead complete excluding the cost of purlins rafter and trusses. |  |  |
| a | 0.63 mm thick sheet - 24 G | sq.m | 751.00 |
| b | 0.50 mm thick sheet.-26G | sq.m | 641.00 |
| 10002 |  | Proving ridges or hips of width 60 cm over all in plain G.I. sheet fixed with galvanized iron J or L hooks bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete |  |  |
| a | 0.80 mm thick sheet. | Metre | 857.00 |
| b | 0.63 mm thick G. I. Sheet. | Metre | 746.00 |
| 10003 |  | Providing and fixing 15cm wide 45cm overall semi-circular plain G.I. sheets gutter with iron brackets 40 x 3 mm bolts nuts and washers etc., including making necessary connection with rain water pipe complete as per design. |  |  |
| a | 0.80 mm thick sheet | Metre | 662.00 |
| b | 0.63 mm thick sheet | Metre | 569.00 |
| 10004 |  | Extra for providing and fixing curved corrugated G.I. sheets to roofing |  |  |
| a | 0.80 mm thick sheet | sq.m | 15.00 |
| b | 0.63 mm thick sheet | sq.m | 12.00 |
| 10005 |  | Extra for providing & fixing corrugated G.I. sheets vertically or to a pitch exceeding 60 degrees. | sq.m | 15.00 |
| 10006 |  | Extra for straight cutting and waste in corrugated G.I. sheet roofing for making opening of area exceeding 40dm2 for chimneys stacks, sky light etc. |  |  |
| a | 0.63 mm thick sheet | Metre | 102.00 |
| b | 0.50 mm thick sheet | Metre | 84.00 |
| 10007 |  | Extra for racking or circular cuttings and waste in C.G.I. sheets roofing. |  |  |
| a | 0.63 mm thick sheet | Metre | 265.00 |
| b | 0.50 mm thick sheet | Metre | 251.00 |
| 10008 |  | Extra for making opening or recesses in C.G.I. sheets roofing or girth not more than 1 m. |  |  |
| a | Upto 100 sq.cm. in area | Each | 37.00 |
| b | Above 100 sq.cm. but upto 400 sq.cm. in area | Each | 95.00 |
| c | Above 400 sq.cm. in area | Each | 143.00 |
| 10009 |  | Providing valleys 90 cm overall in plain 1.60 mm thick G.I. sheet fixed with galvanized iron j or l hooks bolts 8mm dia G.I. limpet and bitumen washers complete. | Metre | 1647.00 |
| 10010 |  | Providing flashings 35 cm overall in plain G.I. sheet fixed with gavalnized iron j or l hooks, bolts and nuts G.I. limpet & bitumen washer complete bent to shape and fixed in walls in cement mortar 1:3 (1 cement : 3 coarse sand). |  |  |
| a | 1.25 mm thick sheet | Metre | 738.00 |
| b | 1.00 mm thick sheet | Metre | 476.00 |
| 10011 |  | Extra for making opening or recesses in plain G.I. sheets of girth not more than 1 m. |  |  |
| a | Upto 100 sq.cm. in area. | Each | 26.00 |
| b | Above 100 sq.cm. but upto 400 sq.cm. in area. | Each | 19.00 |
| c | Above 400 sq.cm. in area | Each | 41.00 |
| 10012 |  | Extra for providing and fixing wind ties of 40 x 6mm flat iron section. | Metre | 173.00 |
| 10013 |  | Providing asbestos cement sheets roofings fixed with galvanized iron j or l hooks, bolts & nuts 8mm dia G.I. plain and bitumen washer complete excluding the cost of purlines rafters, and trusses. |  |  |
| a | Corrugated sheets 6mm thick. | sq.m | 714.00 |
| 10014 |  | Extra for asbestos cement corrugated sheets roofing with vertical sheeting or sheeting to a pitch exceeding 60 degree. | sq.m | 17.00 |
| 10015 |  | Extra for straight cutting and waste in AC corrugated sheet roofing for making opening of area exceeding 0.40 sq.m. for chimney stacks, sky lights etc. (a) 6mm thick corrugated sheet | Metre | 143.00 |
| 10016 |  | Extra for racking or circular cutting and waste in AC corrugated or semi – corrugated sheet roofing. |  |  |
| a | 6mm thick corrugated or semi corrugated sheet | Metre | 232.00 |
| 10017 |  | Providing and fixing ridges & hips in asbestos cement sheets roofing with G.I. j or l hooks, bolts and nuts 8mm dia G.I. plain and bitumen washers complete. |  |  |
| a | One piece plain angular ridges | Metre | 205.00 |
| b | Serrated or plain wing adjustable ridges | Metre | 238.00 |
| c | Close fitting adjustable ridges | Metre | 271.00 |
| 10018 |  | Extra for straight cutting and waste in AC corrugated, semi corrugated sheet roofing for making openings of area exceeding 0.40 sq.m. for chimeney stacks, skylights etc. |  |  |
| a | 6mm thick semi – corrugated sheet | Metre | 78.00 |
| 10019 |  | Extra for making or circular cutting and waste in A.C. sheet roofing: |  |  |
| a | 6mm thick semi corrugated sheet | Metre | 161.00 |
| 10020 |  | Extra for making openings or recesses in A.C. corrugated, semi – corrugated sheet roofing of girth not more than 1meter |  |  |
| a | Those not exceeding 100 sq.cm. in area | Each | 49.00 |
| b | Those exceeding 100 sq.cm. but not exceeding 400 sq.cm. | Each | 94.00 |
| c | Those exceeding 400 sq.cm. in area | Each | 136.00 |
| 10021 |  | Providing and fixing ridges & hips in asbestos cement sheets roofing, with G.I. j or l hooks bolts and nuts 8mm dia G.I. plain and bitumen washer |  |  |
| a | North light adjustable ridges | Metre | 276.00 |
| b | Unserrated adjustable hips | Metre | 270.00 |
| 10022 |  | Providing and fixing asbestos cement roofing accessories with galvanized iron J or L hooks, bolts and nuts and or G.I. seam bolts G.I. plain and bitumen washers etc. complete. |  |  |
| a | Apron flashing pieces | Metre | 151.00 |
| b | Eaves fillet pieces | Metre | 127.00 |
| c | Northlight & Ventilator curves | Metre | 331.00 |
| d | Barge boards | Metre | 95.00 |
| e | Expansion joints for sheets | Metre | 130.00 |
| f | Ridge finals | Each | 158.00 |
| g | Cowl type ventilators | Each | 246.00 |
| h | Curved barge boards for north light curves | Each | 348.00 |
| i | Roof lights | Each | 994.00 |
| j | Expansion joints for ridges | pair | 425.00 |
| k | Expansion joints for north light curves | Metre | 101.00 |
| l | S. Type louvers | Metre | 273.00 |
|  |  |  |  |  |
| 10023 |  | Providing Thatched roofing 15 cms thick in two layers Each 75 mm thick with Pool as, half split bamboos fillet and tying strings complete | sq.m | 375.00 |
| 10024 |  | Providing and laying split bamboo jaffree 150mm mesh including tying to the purlins and rafters with mung ban or string complete. | sq.m | 182.00 |
| 10025 |  | Providing & laying thatched capping to ridges & hips upto 1m girth including tying etc. complete. | Metre | 429.00 |
| 10026 |  | Making khurras 45 x 45cm with average minimum thickness of 5cm of cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 stone aggregate of 20mm nominal gauge) finished with 12mm cement plaster 1: 3 (1 cement: 3 coarse sand) & a coat of neat cement rounding the edges and making and finishing the outlet complete. | Each | 213.00 |
| 10027 |  | Providing angular fillets 7.5 x 7.5 cm cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone) aggregate 20mm nominal size) | Metre | 26.00 |
| 10028 |  | Making water purnelas 25cm to 35 cm wide along the wall with cement mortar 1:4 (1 cement; 4 fine sand) & finished neat with floating coat of neat cement. | Metre | 111.00 |
| 10029 |  | Providing and laying 1st class mangalore tile roof covering with 25 x 50mm (1” x 2”) jamba wood or similar batten including nails etc. but excluding rafters. | sq.m | 913.00 |
| 10030 |  | Providing and laying 2nd class mangalore tile roof covering with 25 x 37 mm (1” x 1.5”) jamba wood or similar batten including nails etc., but excluding rafters. | sq.m | 802.00 |
| 10031 |  | Laying mangalore tile roof covering with 25 x 50 mm jamba wood or similar battern including nail etc. complete (mangalore tiles will be supplied by the department free of cost). | sq.m | 539.00 |
| 10032 |  | Laying mangalore tile roof covering with 25 x 37 mm jamba wood or similar battern including nails etc. complete (mangalore tiles will be supplied by the department free of cost). | sq.m | 473.00 |
| 10033 |  | Providing and laying ridge tiles laid dry & pointed with lime mortar 1: 2 (1 lime: 2 surkhi) | Metre | 398.00 |
| 10034 |  | Laying the ridge tiles laid dry and pointed with limemortar 1: 2 (1 lime : 2 surkhi) (ridge tiles will be supplied by the department free of cost). | Metre | 117.00 |
| 10035 |  | G.I. sheet gutters 26 s.w.g. semi circular 15cm width and 45 cm overall including fixing with clamps & making connection with rain water pipe complete. | Metre | 345.00 |
| 10036 |  | Ridge and valleys 45cm overall in plain G.I. sheet 26 s.w.g. fixed with galvanised j or l hooks 3/8” dia G.i. limpets and bitumen washers complete. | Metre | 412.00 |
| 10037 |  | Filling cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 hard aggregate 12.5 mm nominal gauge) in gaps of A.C. sheets corrugation and wings of ridges. | Metre | 59.00 |
| 10038 |  | Providing and fixing 20mm thick wooden planks ceiling (frame work for base to be paid separately) with M.S. screws |  |  |
| a | Indian teak wood second class | sq.m | 3314.00 |
| b | Nano or chafo wood | sq.m | 1409.00 |
| 10039 |  | Providing and fixing 13mm thick wooden planks ceiling (frame work for base to be paid separately) with M.S. screws |  |  |
| a | Second class indian teak wood | sq.m | 2309.00 |
| b | Nano or chafo wood | sq.m | 1010.00 |
| 10040 |  | Providing and fixing 4mm thick ply wood (5 ply) ceiling with second class indian teak wood beading of size 65 x 12mm not exceeding 180 cm center to centre apart and brass screws 1.5” for fixing etc. complete (frame work for base to be paid separately) | sq.m | 1060.00 |
| 10041 |  | Providing and fixing 4 mm thick A.C. plain sheet ceiling of approved quality with necessary nails etc. complete (frame work to be paid separately) | sq.m | 455.00 |
| 10042 |  | Providing & fixing insulating board board sheet ceiling of approved of quality with necessary nails, etc. complete (frame for base to be paid separately) |  |  |
| a | White faced insulating board 12mm thick | sq.m | 767.00 |
| b | White faced insulating board 18 mm | sq.m | 888.00 |
| 10043 |  | Providing & fixing hard board sheet ceiling of approved quality with necessary nails, etc. complete (frame for base to be paid separately) |  |  |
|  |  | Standard quality 4 mm thick | sq.m | 640.00 |
| 10044 |  | Providing & fixing hard board sheet ceiling of approved quality with necessary nails, etc. complete (frame for base to be paid separately) Design boards 4 mm thick. | sq.m | 468.00 |
| 10045 |  | Providing and fixing insulating board sheet ceiling of approved of approved quality with necessary nails etc. complete (frame for base to be paid seperately). Flame retardent insulating board 12 mm. | sq.m | 586.00 |
| 10046 |  | Providing 18mm thick plaster of parts (gypsum anhydrous) ceiling upto height of 5m above floor level over 1st class matti wood strips 25 x 6mm with 10mm gap in between & reinforced with rabbit wire mesh fixed to wooden frame. |  |  |
| a | Flat Surfaces | sq.m | 1503.00 |
| b | Curved surfaces | sq.m | 2059.00 |
| 10047 |  | Extra for any sunk moulding in the plaster of Paris (gypsum anhydrous) | sq.m | 407.00 |
| 10048 |  | Extra for providing plaster of Paris (gypsum anhydrous) ceiling above 5 m from floor level. | sq.m | 141.00 |
| 10049 |  | Providing and fixing 12mm thick plaster of Paris (gypsum anhydrous) ceiling tiles upto a height of 5m above floor level over wooden frames rendered smooth with plaster of paris (gypsum anhydrous) (frame work to be paid separately) | sq.m | 723.00 |
| 10050 |  | Extra for providing and fixing plaster of paris (gypsum anhydrous) ceiling tiles above 5 meters height from floor level PER meter HEIGHT. | sq.m | 70.00 |
| 10051 |  | Providing and fixing in position ceiling tiles of 12mm thickness made of uncovered teak wood particle board bonded with phenol formal dehyde synthetic resin conforming to IS 3087 – 1965 with necessary second class indian teak wood beading of size 65 x 12 mm with brass screws (30 mm size) complete (frame work for base to be paid separately) |  |  |
| a | Plain boards | sq.m | 1389.00 |
| b | Half random perforated board | sq.m | 1489.00 |
| c | Full random perforated board | sq.m | 1585.00 |
| 10052 |  | Providing and fixing plain square edged wooden boarding 65 x 12mm with screws of approved quality for ceiling |  |  |
| a | Second class indian teak wood | Metre | 185.00 |
| b | Nano wood | Metre | 116.00 |
| 10053 |  | Providing and fixing on wall face C.I.. rain water pipes including filling the joints, with spun yarn soaked in neat cement slurry and cement mortar 1:2 (1 cement: 2 fine sand) |  |  |
| a | 100 mm dia pipe | Metre | 536.00 |
| b | 150mm dia pipe | Metre | 922.00 |
| 10054 |  | Providing and fixing M.S. holder bat clamps of approved design to C.I. or S.C.I. pipes embeded in and including cement concrete blocks 10 x 10 x 10 cm of 1:2:4 ( 1 cement: 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including cost of cutting holes and making good the wall etc. |  |  |
| a | 75mm or 80mm dia. | Each | 238.00 |
| b | 100mm dia meter | Each | 252.00 |
| c | 150 mm diameter | Each | 273.00 |
| 10055 |  | Providing and fixing on wall face C.I. accessories for rain water pipes including filling the joints with spun yarn soaked in neat cement slurry and cement mortar 1 : 2 (1 cement : 2 sand): |  |  |
| a | C.I. plain bend 100 mm dia | Each | 289.00 |
| b | C.I. plain bend 150 mm dia | Each | 312.00 |
| 10056 |  | Providing and fixing to wall face C.I. acessories for rainwater pipes including filling the joints with spun yarn soaked in neat cement slurry and cement mortar 1:2 ( 1 cement : 2 coarse sand) |  |  |
| a | C.I. plain shoe 100mm dia | Each | 328.00 |
| b | C.I. plain shoe 150mm dia | Each | 562.00 |
| 10057 |  | Providing and fixing to wall face C.I. acessories for rainwater pipes including filling the joints with spun yarn soaked in neat cement slurry and cement mortar 1:2 ( 1 cement : 2 coarse sand) |  |  |
| a | C.I. branch (plain) 100 mm dia single branch | Each | 340.00 |
| b | C.I. branch (plain) 150 mm dia single branch | Each | 521.00 |
| 10058 |  | Providing and fixing on wall face C.I. acessories for rainwater pipes including filling the joints with spun yarn soaked in neat cement slurry and cement mortar 1:2 ( 1 cement : 2 coarse sand) |  |  |
| a | C.I. branch (plain) 100 mm dia double branch | Each | 434.00 |
| b | C.I. branch (plain) 150 mm dia double branch | Each | 737.00 |
| 10059 |  | Providing and fixing to wall face C.I. acessories for rainwater pipes including filling the joints with spun yarn soaked in neat cement slurry and cement mortar 1:2 ( 1 cement : 2 coarse sand) C.I. offsets (plain) 100 mm dia 55 mm projection. | Each | 331.00 |
|  |  |  |  |  |
| 10060 |  | Providing & laying six courses water proofing treatment with bitumen felt over roofs consisting of first, third and fifth courses of blown or/and residual bitumen applied hot at 1.45 1.20 and 1.7kg., per sq.m. of area respectively second and fourth course of roofing felt type 3 grade 1 (hessian based self finished bitumen felt ) & sixth and final course of stone grit 6 mm and down size or grade gravel spread at 0.008 cu.m per sq. m excluding grading complete. | sq.m | 741.00 |
| 10061 | a | Providing and fixing colour coated galvulium roofing sheets of 0.5mm thickness including all the accessories (TATA make) but excluding the cost of purlins, rafters, trusses, flashings etc. complete as per the directions of the Engineer in charge. | sq.m | 870.00 |
| b | Providing and fixing Colouron Plus galvulium roofing Sheets of **0.5mm** **thick** double ribbed trapezoidal profile coated 1080mm with cover width of 1020mm including all the accessories (JSW or equivalent make) but excluding the cost of purlins, rafters, trusses, flashings etc. complete as per the directions of the Engineer in charge. | sq.m | 692.00 |
| c | Add for providing & fixing Flashings -[Corners, Ridges, valleys, gable end & Trims] (Girth **upto** 610mm) including all the accessories complete as per the directions of the Engineer in charge. | Metre | 408.00 |
| d | Providing and fixing Colouron Plus galvulium roofing Sheets of **0.45mm thick** double ribbed trapezoidal profile coated 1080mm with cover width of 1020mm including all the accessories (JSW or equivalent make ) but excluding the cost of purlins, rafters, trusses, flashings etc. complete as per the directions of the Engineer in charge. | sq.m | 653.00 |
| e | Add for providing & fixing Flashings -[Corners, Ridges, valleys, gable end & Trims] (Girth **above** 610mm) including all the accessories complete as per the directions of the Engineer in charge. | Metre | 774.00 |
| 10062 |  | Providing and fixing plain square wooden boarding 50 x 12 mm section with screws of approved quality for ceiling and as directed by the Engineer in charge. |  |  |
| a | Nano wood. | sq.m | 89.00 |
| 10063 |  | Supply of mangalore tiles including loading, unloading and transportation complete. | Each | 20.00 |
| 10064 |  | Supply of mangalore ridge tiles including loading, unloading and transportation complete. | Each | 71.00 |
| 10065 |  | Providing and laying finolex roof covering with fittings on existing battens as directed by Engineer in charge. |  |  |
| a | PCV corrugated sheet - 1.0mm thick. | sq.m | 801.00 |
| b | PCV corrugated sheet - 1.3mm thick. | sq.m | 836.00 |
| c | PCV corrugated sheet - 1.5 mm thick. | sq.m | 975.00 |
| d | PCV corrugated sheet - 1.8mm thick. | sq.m | 1187.00 |
| e | PCV corrugated sheet - 2.0 mm thick. | sq.m | 1271.00 |
| 10066 |  | Providing and fixing PVC SWR pipes confirming to IS 13592 type A including jointing with seal ring confirming to IS 5382 leaving 10 mm gap for thermal expansion. |  |  |
| a | Single socketed pipe 75 mm dia | Metre | 270.00 |
| b | Single socketed pipe 110 mm dia | Metre | 443.00 |
| 10067 |  | Providing and fixing Prince or equivalent make PVC SWR half round eaves gutter with bolts, nuts and flat iron brackets 40 x 3 mm size complete. |  |  |
| a | 140 mm nominal size | Metre | 391.00 |
| b | 180 mm nominal size | Metre | 445.00 |
| c | 250 mm nominal size | Metre | 417.00 |
| 10068 |  | Extra for providing flat iron bracket 50 x 3 mm size instead of 40 x 3 mm size with necessary bolts nuts, washers etc. for fixing A.C. gutters to purlins. | Each | 12.00 |
| 10069 |  | Extra for providing and fixing prince or equivalent make PVC SWR joint bracket with 2 clamps for socketed half round eaves gutters. |  |  |
| a | 140 mm nominal size | Each | 253.00 |
| b | 180 mm nominal size | Each | 299.00 |
| c | 250 mm nominal size | Each | 300.00 |
| 10070 |  | Extra for providing and fixing prince or equivalent make PVC SWR running outlet with 2 clamps for socketed half round eaves gutters. |  |  |
| a | 140 mm nominal size | Each | 346.00 |
| b | 180 mm nominal size | Each | 440.00 |
| c | 250 mm nominal size | Each | 391.00 |
| 10071 |  | Extra fjor providing and fixing prince or equivalent make PVC SWR 90 deg. Elbow with /without outlet with 2 clamps for socketed half round eaves gutters. |  |  |
| a | 140 mm nominal size | Each | 382.00 |
| b | 180 mm nominal size | Each | 493.00 |
| c | 250 mm nominal size | Each | 588.00 |
| 10072 |  | Extra for providing and fixing prince or equivalent make PVC SWR short stop ends for socketed half round eaves gutters. |  |  |
| a | 140 mm nominal size | Each | 90.00 |
| b | 180 mm nominal size | Each | 123.00 |
| c | 250 mm nominal size | Each | 162.00 |
| 10073 |  | Extra for providing and fixing prince or equivalent make PVC SWR stop end outlet with one clamp for socketed half round eaves gutters. |  |  |
| a | 140 mm nominal size | Each | 319.00 |
| b | 180 mm nominal size | Each | 380.00 |
| c | 250 mm nominal size | Each | 339.00 |
| 10074 |  | Extra for providing and fixing prince or equivalent make PVC SWR support bracket for socketed half round eaves gutters. |  |  |
| a | 140 mm nominal size | Each | 72.00 |
| b | 180 mm nominal size | Each | 116.00 |
| c | 250 mm nominal size | Each | 117.00 |
| 10075 |  | Extra for providing and fixing prince or equivalent make PVC SWR clamps for socketed half round eaves gutters. |  |  |
| a | 140 mm nominal size | Each | 23.00 |
| b | 180 mm nominal size | Each | 32.00 |
| c | 250 mm nominal size | Each | 59.00 |
| 10076 |  | Extra for providing and fixing prince or equivalent make PVC SWR rafter top / side brackets assembled for socketed half round eave gutters. |  |  |
| a | 140 mm nominal size | Each | 66.00 |
| b | 180 mm nominal size | Each | 88.00 |
| c | 250 mm nominal size | Each | 109.00 |
| 10077 |  | Extra for providing and fixing prince or equivalent make PVC SWR rubber gasket for socketed half round eaves gutters. |  |  |
| a | 140 mm nominal size | Each | 52.00 |
| b | 180 mm nominal size | Each | 68.00 |
| c | 250 mm nominal size | Each | 47.00 |
| 10078 |  | Extra for providing and fixing prince or equivalent make PVC SWR single socket elbow for socketed half round eaves gutters. |  |  |
| a | 75 mm nominal size | Each | 215.00 |
| b | 110 mm nominal size | Each | 338.00 |
| 10079 |  | Extra for providing and fixing prince or equivalent make PVS SWR pipe clip for socketed half round eaves gutters. |  |  |
| a | 75 mm nominal size | Each | 73.00 |
| b | 110 mm nominal size | Each | 76.00 |
| 10080 |  | Extra for providing and fixing prince or equivalent make PVC SWR rubber seals for socketed half round eaves gutters. |  |  |
| a | 75 mm nominal size | Each | 22.00 |
| b | 110 mm nominal size | Each | 23.00 |
| 10081 |  | Providing water proofing treatment over the new R.C.C. roofs terrace toilet by spreading cement slurry over the R.C.C. slab and laying of 10cms. Average laterite stone ballast coba with the necessary gradient for easy flow of rain water and the coba in covered with damp proof of Hindustan water proofing co. Or equivalent jointless water proofing plaster of mix 1:3 ( 1 cement : 3 find sand), finished smooth with wooden trowel with false marking of 30 cms square. The vertical surface of the adjoining walls are to be treated upto a height of 30cms including rounding of junction (the rate includes for complete items including labour and materials and including cost of initial treatment of roof slab as follows. The injunction of damp proof or equivalent compound with cement solution will be given as and when found necessary for filling honey comb, cracks etc. in the R.C.C. slabs). NOTE: cement consumption 25 kg/sq.m. | sq.m | 1029.00 |
| 10082 |  | M.F. suspended ceiling (single layer) which includes G.I. perimeter of size 0.55 mm thick (having one flange of 20 mm and another flange of 30 mm and a web of 27 mm) alongwith perimeter of ceiling, screw fixed to brick wall / partition wit | sq.m | 652.00 |
| 10083 |  | M.F. wall linging which includes 9.5 /12.5 mm thick Gypsum board (conforming to IS : 2095 – 1982) screw fixed to the ceiling section (0.55 mm thick having a knurled web of 51.5 mm and two equal flanges of 26 mm each with lips of 10.5 mm made of | sq.m | 618.00 |
| 10084 |  | 75 mm Metal stud partition 2438 mm height which includes one layer of tapered edge 12.5 mm thick Gypsum board (conforming to IS:2095 – 1982) screw fixed with drywall screw of 25 mm at 300 mm centres to either side of 48 mm studs (0.55 mm thick) | sq.m | 1136.00 |
| 10085 |  | 97 mm metal stud partition 2438 mm height) which includes one layer of tapered edges 12.5 mm thick Gypsum board (conforming to IS : 2095 – 1982) or equivalent, screw fixed with drywall screw of 25mm at 300 mm centres to either side of 70 mm studs (0.55 mm thick) | sq.m | 1151.00 |
| 10086 |  | Gypliner or equivalent ceiling which includes providing & fixing G.I. HG angle of sie 0.55 mm thick having two equal flanges of 25 mm each screw fixed to brick wall / partition with the help of nylon sleeves & screws at 610 mm c/c. Then suspending chan 12.5 mm tapered edge Gypboard (confirming to IS:2095-1982) is then fixed to channel section with 25 mm drywall screws at 230 mm centre. Screw fixing is done mechanically with drill machine and suitable attachment. Finally square and tapered edges joints of the boards are jointed and finished so as to have flush look which includes filling finishing with jointing compound, joint paper tape and two coats of Drywall top coat suitable for Gypboard (as per recomended practices of India Gypsum Limited). | sq.m | 657.00 |
| 10087 |  | Gypliner wall lining or equivalent which includes 12.5 mm thick or equivalent (confirming to IS : 2095 – 1982) screw fixed to the Gypliner channel section (0.55 mm thick having a web of 45 mm & two equal flanges of 18 mm each with lips of 6 mm made of G.I. Ste | sq.m | 646.00 |
| 10088 |  | Fineline or equivalent (pre-coated) 600 mm x 600mm grid size providing & fixing pre-coated G.I. angle size 24 x 24 x 0.90 mm thick fixed to the brick wall/partition at the perimeter of ceiling with nylon sleeves and screws at 610 mm centres. Then suspending main G.I. `T’ section (bottom pre-coted) size 24x38x0.7 mm and 3600 mm long from soffit in one direction with the help of metal rawl plug, soffit cleat & G.I. rod 4 mm diameter with galvanished spring steel level clip 1220 mm centres G.I. Cross T section (bottom pre-coated) size 24x 38.70 mm and 600 mm long in insert fixed into the slots provided in main `T’ at 600 mm centres to form 600 x 600 mm grid.Boarding: 9.5 mm / 12.5 mm thick thick Gyboard or equivalent cut in panel size of 595 x 595 mm can be laid onto the grid P.V.C. universal holding clips are to be placed on ceiling panel in each direction i.e. 4 clips per panel. | sq.m | 606.00 |
| 10089 |  | Fineline or equivalent (precoated) 600 mm x 1200 mm grid size pre-coated G.I. angle size 25 x 25 x 0.70 mm thick fixed to the brick wall / partition at the perimeter of ceiling with nylon sleeves and screws at 610 mm centres. Then suspending main G.I. `T’ section (bottom precoated) size 24 x 38 x 0.7 mm and 3600 mm long from soffit in one direction with the help of Metal Rawl Plug, sffit cleat & G.I. Rod 4 mm diameter with galvanished spring steel level clip 1220 mm centres G.I. Cross T section (bottom pre-coated) size 24 x 38 x 0.70 mm and 600 mm long is insert fixed into the slots provided in main `T’ at 1200 mm centres to form 1200 x 600 mm grid. Boarding : 9.5 mm / 12.5 mm thick Gyboard cut in panel size of 595 x 595 mm can be laid onto the grid P.V.C. universal holding clips are to be placed on ceiling panel in position 2 nos. on 1195 mm side and 1 no. on 595 mm side. | sq.m | 591.00 |
| 10090 |  | Providing & fixing in position Galvalume/Zincalume flashings, cappings, ridges, gutters upto 600mm/610mm girth and min 3.00m in length (cold Rolled Steel 550 MPa yeild Stress ASTM A 446 Grade E) with hot-dip metallic coating of aluminium-zinc alloy(AZ 150 galvalume) (150 gms/sqm total of both sides with Al-Zn Composition= 55% & 43.5% resp. & 1.5% Si conforming to ASTM 792/ AS 1397) 0.45 mm base metal thickness and 0.50mm total coated thickness, factory cut at all heights for roof, side & gable cladding complete in all respects with AZ 150 GSM SMP color Coated (20mic exterior coat of Silicon Modified Polyester paint system over 5 mic primer and 5 mic polyester back coat over 5 mic primer) incl. fixing to purlins with no 12x14x55mm mechanically galvanised hex head self drilling screws of the best quality as per AS-3566 class 3-4 approved, which should be compatible to be used with sheets. with integral washers and EPDM seals etc. Silicon sealant non-hardening neutral cure type shall be applied at all end laps, complete as directed. | Metre | 401.00 |
| 10091 |  | Supplying and Providing in position under deck 50mm thk non combustible Glass wool insulation 24 kg/m3 density with white prelaminated polypropelene facing (WMP-50) under the metallic roof complete for sound and heat insulation including cost of GI welded mesh of 75x75x1.60 thk streched over purlin complete. The GI Welded mesh should be primed and painted with min. 2 coats of superior quality ready mixed paint for steel work | sq.m. | 558.00 |
| 10092 |  | Extra for crimp curving for curved 0.5mm TCT Galvalume/Zincalume sheets. | sq.m. | 73.00 |
| 10093 |  | Providing and fixing in position 2mm thick one side embossed clear polycarbonate sheet in same profile to match the roofing sheets including self tapping screws. | sq.m. | 1917.00 |
| 10094 |  | Providing & Fixing in position Double Skin roof with Zincalume/ Galvalume colour coated & bare profile sheet with subtle square fluting factory cut at all heights for roof, side & Gable cladding complete in all respect. TOP SHEET-The end rib shall be designed for anti-capillary action. The feed material should be manufactured out of nominal 0.45 mm Base Metal Thickness (BMT), Hi-strength steel with min. 550 MPa yield strength, metallic hot dip coated with Aluminium-Zinc alloy (55% Aluminium, 43.5% Zinc &1.5% Si) as per AS 1397 - Zincalume AZ150 (Min. 150 gms/sq.mt total on both sides) with quality paint coat as per AS/NZS 2728 type 3-4. The paint shall have a total coating thickness of nominal 35 μm, comprising of nominal 20 μm exterior SMP coat on top surface and nominal 5 μm reverse backer coat on back surface over nominal 5 μm primer coat on both surfaces of approved colour shade. Total Coated Thickness (TCT) should be 0.50mm. Total Painted Thickness (TPT) should be in addition to 0.50mm. The steel sheet shall be fastened with nominal 40 μm zinc coated or nominal 25 μm zinc-tin alloy coated, Hex head, self-drilling screw as per AS 3566-2002 Class 3 fasteners of approved make with EPDM washer as per the requirement considering the profile shape and design load. The fastener size shall be calculated as per the design or manufacturers recommendations. | sq.m. | 2236.00 |
| The profile sheet, fastener size etc. shall be approved by the Engineer. The sheeting should be with minimum 200mm lap & waterproof with Silicon sealant non-hardening neutral cure type shall be applied at all end laps, complete as directed Z-Sub Girt - roll formed section 50x50x50x1.50 TCT, 120GSM Galvanised, High Strength (345 MPa), approximate Wt. 1.85 kg/r.m. fixed with self tapping screws Glass Wool Insulation with FSK facing 50mm with 24 kg/m3 density in between 2 sheets. LINER SHEET-bare galvalume/zincalume roofing sheet of same profile as top sheet. The feed material is of manufactured out of nominal 0.45 mm Base Metal Thickness (BMT) (0.47 mm TCT), Hi-strength steel with min. 550 MPa yield strength, metallic hot dip coated with Aluminium-Zinc alloy (55% Aluminium, 45% Zinc) as per AS 1397 - Zincalume AZ150 (Min. 150 gms/sq.mt total on both sides), passivated & resin coated. The feed material should have coil manufacturer’s product details marked at regular interval for confirming genuinity of the material. complete as per the directions of the engineer. The steel manufacturer's test certificate for the chemical & mechanical properties of steel must be submitted for approval prior to installation. |
| 10095 |  | Providing and fixing tiled false ceiling of approved materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24/15x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25/15 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24/15 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer. |  |  |
| a | GI Metal Ceiling Lay in plain Tegular/ Bevelled edge Global white color tiles of size 595x595 mm, and 0.4-0.5 mm thick with 8 mm drop; made of G I sheet having galvanizing of 100 gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending. | sq.m. | 1319.00 |
| b | GI Metal Ceiling Lay in perforated Tegular/ Bevelled edge global white color tiles of size 595x595 mm and 0.4-0.5 mm thick with 8 mm drop; made of GI sheet having galvanizing of 100 gms/sqm (both sides inclusive) and 20% perforation area with 1.8 mm dia holes and having NRC (Noise Reduction Coefficient ) of 0.5, electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending and perforation, and backed with a black Glass fiber acoustical fleece. | sq.m. | 1671.00 |
| 10096 |  | Providing and fixing GI Clip in Metal Ceiling System of 600x600 mm module which includes providing and fixing 'C' wall angle of size 20x30x20 mm made of 0.5 mm thick pre painted steel along the perimeter of the room with help of nylon sleeves and wooden screws at 300 mm center to centre, suspending the main C carrier of size 10x38x10 mm made of G.I steel 0.7 mm thick from the soffit with help of soffit cleat 37x27x25x1.6 mm, rawl plugs of size 38x12 mm and C carrier suspension clip and main carrier bracket at 1000 mm c/c. Inverted triangle shaped Spring Tee having height of 24 mm and width of 34 mm made of GI steel 0.45 mm thick is then fixed to the main C carrier and in direction perpendicular to it at 600 mm centers with help of suspension brackets. Wherever the main C carrier and spring T have to join, C carrier and spring T connectors have to be used. All sections to be galvanized @ 120 gms/sqm (both side inclusive), fixing with clip in tiles into spring 'T' with : |  |  |
| a | a) GI Metal Ceiling Clip in plain Beveled edge global white colour tiles of size 600x600 and 0.4-0.5 mm thick with 25 mm height, made of G I sheet having galvanizing of 100 gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending. | sq.m. | 1668.00 |
| b | b) GI Metal Ceiling Clip in plain Beveled edge global white colour tiles of size 600x600 and 0.4-0.5 mm thick with 25 mm height, made of G I sheet having galvanizing of 100 gms/ sqm (both sides inclusive) and 20% perforation area with 1.8 mm dia holes and having NRC of 0.5, electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending and perforation. | sq.m. | 1849.00 |
| 10097 |  | Providing & Fixing of Aluminium Lay in Plain Tile Ceiling on 24 /14 mm 'T' Framework of module 600mm X 600mm. Tiles of size 575mm X 575mm / 584mm x584mm made out of 0.6mm thick Aluminium. The tile shall be manufactured on advanced equipment, which includes several leveling. The tile end shall be raised up ward & bend outward to lay the tile in framework. The tile shall be Polyester based, Powder coated in white color. Grid system for fixing ceiling tiles shall comprise of Tees. The 24 /14 mm main Tee runners shall be suspended at an interval of 1200mm centre to centre. The 24 /14 mm cross runner shall be suspended at 600 mm center to centre and further supported with 24 /14 mm cross Tee at 600 mm centre to centre with internal locking arrangements to form grid of 600mm X 600mm. The main Tee shall be supported by means of 4mm GI rod from slab / roof. The suspension shall be provided at 1200mm to 1500 mm centre to centre. Tee framework would be made of GI and Powder coated. | sq.m. | 1720.00 |
| 10098 |  | Providing & Fixing of Aluminium Lay-in Perforated Tile Ceiling on 24 /14 mm ‘T’ Framework of module 600mm x 600mm. Tiles of size 575mm X 575mm / 584mm x584mm made out of 0.6mm thick Aluminium. Perforation of the tiles shall be 2.5mm dia 5.5mm c/c. The Tile shall be manufactured on advanced equipment, which includes several levelling. The tile end shall be raised upward by 38mm and bend outward to lay the tile in framework. The Tile shall be Polyester based, powder coated in white colour. Grid system for fixing ceiling tiles shall comprise of Tees. The 24 /14 mm main tee runners shall be suspended at an interval of 1200mm centre to centre. The 24 /14 mm cross tee runner shall be suspended at 600mm centre to centre and further supported with 24 /14 mm cross tee at 600mm centre to centre with interlocking arrangements to form grid of 600mm x 600mm. The main tee shall be supported by means of 4mm G.I. rod from slab/roof. The suspension shall be provided at 1200 to 1500mm centre to centre. Tee framework would be made of GI and Powder coated. Acoustic Felt: Non-woven felt made of glass-reinforced fibre glued over the perforation for sound absorption. | sq.m. | 1793.00 |
| 10099 |  | Providing & Fixing of Metal Tile Ceiling System comprising of Tile of 600mm wide and 600mm long manufactured out of 0.6mm thick Aluminium Clip-in Plain. The Tile shall be manufactured on advanced equipment that includes several levelling stages in the manufacturing process. Tile ends shall be raised with pips and stops to ensure positive engagement into the spring to enable for de-mounting of individual panels. The Tile sides shall be sufficiently high to ensure a minimum deflection across the length of Tile. All Tiles shall be bevel edged. The Tile shall be Polyester based, powder coated in white colour. The Tile shall be clipped into clip in profile of 0.5mm thick G.I. The clip in profile shall be supported from slab by means of rigid suspension of 4mm G.I. Rod, Hold on Clamp with Clip. | sq.m. | 1787.00 |
| 10100 |  | Providing & Fixing of Metal Tile Ceiling System comprising of Tile of 600mm wide and 600mm long manufactured of 0.6mm thick Aluminium Clip-in perforated 2.5mm dia 5.5mm c/c. The Tile shall be manufactured on advanced equipment, which includes several levelling stages in the manufacturing process. Tile ends shall be raised with pips and stops to ensure positive engagement into the spring to enable for de-mounting of individual panels. The Tile sides shall be sufficiently high to ensure a minimum deflection across the length of Tile. All Tiles shall be bevelled edged. The Tile shall be polyester based, powder coated in White Colour. Tile shall be clipped into clip in profile of 0.5mm thick G.I. The clip in profile shall be supported from slab by means of rigid suspension of 4mm G.I. Rod, Hold on Clamp with Clip. Acoustic Felt: Non-woven felt made of glass-reinforced fibre glued over the perforation for sound absorption. | sq.m. | 1858.00 |
| 10101 |  | Providing and laying integral cement based treatment (Box type) for water proofing on horizontal surface at all depth below ground level for under ground structures as directed by Engineer and consisting of : i) Ist layer of 20 mm to 25 mm thick approved and specified rough stone slab over a 25 mm thick base of cement mortar 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound conforming to IS:2645 in the recommended proportion over the leveling course (leveling course to be paid separately). Joints sealed and grouted with cement slurry mixed with water proofing compound. ii) 2nd layer of 25 mm thick cement mortar 1:3 (1 cement: 3 coarse sand) mixed with water proofing compound in recommended proportions. iii) Finishing top with stone aggregate of 10 mm to 12 mm nominal size spreading @ 8 cudm/sqm thoroughly embedded in the 2nd layer using rough Shahbad/Kotah stone. | sq.m. | 1502.00 |
| 10102 |  | Providing and laying integral cement based treatment (Box type) for water proofing on the vertical surface by fixing specified stone slab 20 mm to 25 mm thick with cement slurry mixed with water proofing compound conforming to IS:2645 in recommended proportions with a gap of 20 mm (minimum) between stone slabs and the receiving surfaces and filling the gaps with neat cement slurry mixed with water proofing compound and finishing the exterior of stone slab with cement mortar 1:3 (1 cement : 3 coarse sand) 20 mm thick with neat cement punning mixed with water proofing compound in recommended proportion complete at all levels and as directed by Engineer using rough Shahbad/Kotah stone. | sq.m. | 1776.00 |
| 10103 |  | Providing and fixing 15mm thick densified tengular edged eco friendly light weight Calcium Silicate false ceiling tiles **(like Aerolite Brand or Equivalent)** of approved texture Spintone/ Cosmos/ Fine Fissured or equivalent of size 595mm x 595mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanizing @ 120 grams per square metre. including both side) consisting of main "T" runner suitably spaced at joints to get required length and of size 24x38mm made from 0.33mm thick (minium) sheet, spaced 1200mm center to center, and cross "T" of size 24x28mm made of 0.33mm thick (Minimum) sheet to be inter locked at middle of the 1200x600mm panel to from grid of size on a Perimeter wall angle precoated steel of size 600x600mm, resting on periphery walls/ partitions (24x24x300mm) made of 0.40mm thick (minimum) sheet with the help of rawl plugs at 450mm and laying 15mm thick densified edges calcium silicate ceiling tiles of approved texture light fittings, fixture, smoke detectors etc., wherever required. Main "T" runners to be suspended from ceiling using G.I. slotted cleats of size 25x35x1.6mm fixed to celing using with 12.5mm dia and 50mm long dash fastners, level clips of size 85x30x0.8mm, spaced at 1200mm center to center along main "T" bottom exposed with 24mm of T-section shall be pre-painted with polyester baked paint, for all heights, as per specifications, drawings etc. complete. | Sqm. | 1841.00 |
|  |  | (As Directed by Engineer in Charge) |  |  |
|  |  | Note: Only Calcium silicate false ceiling area will be measured from wall to wall. No deduction shall be made for exposed frames/ opening (cut outs) having are less than 0.30 sqm. The Calcium silicate ceiling tile shall have NRC value of 0.50 (Minimum), light reflection>85% non-combustible as per B.S.476 part IV, 100% humidity resistance and also having thermal conductivity 0.043 w/m 0 KC. |  |  |
|  |  | Hospitals, Offices and Commercial Buildings, Auditoriums and Cinema Hall, Educational Institutions, R&D Centers, Studios, Laboratories, Library, Canteen. |  |  |
| 10104 |  | Providing and fixing **JIELI BRAND or Equivalent** resin coated **3mm thk UPVC** roof tiles sheets along with ridges/ valleys to required profile, including accessories such as tapping screws etc. excluding the cost of purlins rafter and trusses. | Sqm. | 1939.00 |
| 10105 |  | Providing & Fixing L angle ridge for roof sheets includiing accessories | Each | 769.00 |
| 10106 |  | Providing & laying mangalore tiles roof covering over M25 grade Precast Cement Concrete Rafters placed @ 60cm C/C apart fixed with adhesive such as Bal endura, Sika etc. over sloping roof slabs & precast concrete Battens includiing all material, labour, tools & plants all complete.(Cost includes mangalore tiles, rafters & battens) | Sqm. | 894.00 |
| 10107 |  | Providing & fixing colour coated Alluminium (PUF) sandwich panel roofing systems of approved make adhering to Aluminium 3105 grade for top & bottom sheet of thickness 0.40 & 0.35 respectively including PUF insulation betewwn the top & bottom sheet of Denslity 40 (+/-2) Kg/m3 inclusive of S.S.304 grade self tapping fastneres, complete as directed by Enigneer incharge (frame work for roof, roof accesorries to be paid seperately) for tile Design PUF roof panel, Gutter width should be atleast 25% more than the Crest width. Minimum height at heighest point of Crest should be minimum 65mm. Minimum thickness at anygiven point should not be below 30mm. |  |  |
| a | PUF Insulated tile roof 30mm thick of trapezoidal design | Sqm. | 2536.00 |
| b | PUF Insulated tile roof 50mm thick of trapezoidal design | Sqm. | 2822.00 |
| c | PUF Insulated Porto tiles series 50mm thick. | Sqm. | 3013.00 |
| 10108 |  | Providing & Fixing Alluminium Barge Board of approved make adhering to Alluminium 3105 grade of 0.71mm thickness & 60 cm wide inclusive of SS304 grade self tapping fastners, to match the Alluminium roofing system & as directed by Engineer in charge complete | Rmt. | 798.00 |
| 10109 |  | Providing & Fixing Alluminium Ridge of approved make adhering to Alluminium 3105 grade of 0.71mm thickness & 60 cm wide inclusive of SS304 grade self tapping fastners, to match the Alluminium roofing system & as directed by Engineer in charge complete | Rmt. | 798.00 |
| 10110 |  | Providing & Fixing Alluminium Corner flashing/ Gutter Valley of approved make Alluminium 3105 grade of 0.71mm thickness & 60 cm wide inclusive of SS304 grade self tapping fastners, to match the Alluminium roofing system & as directed by Engineer in charge complete | Rmt. | 798.00 |
| 10111 |  | Providing & Fixing Alluminium 30mm Trapezhoidal End Cap for PUF Roofing of approved make of Alluminium AA 3105 grade matching with 30mm PUF panel profile including the required fastners etc. Complete for Alluminium PUF Roofing System & as directed by Engineer in charge. | Rmt. | 211.00 |
| 10112 |  | Providing & Fixing Alluminium 50mm Trapezhoidal End Cap for PUF Roofing of approved make of Alluminium AA 3105 grade matching with 50mm PUF panel profile including the required fastners etc. Complete for Alluminium PUF Roofing System & as directed by Engineer in charge. | Rmt. | 252.00 |
| 10113 |  | Providing & Fixing Alluminium Tile Profile End Cap for PUF Roofing of approved make of Alluminium AA 3105 grade End Cap matching with Tile Profile PUF roof Panel including the required fastners etc. Complete for Alluminium PUF Roofing System & as directed by Engineer in charge. | Rmt. | 252.00 |
| **CHAPTER XIV** | | | | |
| **PLASTERING AND FINISHING WORKS** | | | | |
| **SR. NO.** |  | **DESCRIPTION** | **UNIT** | **RATE** |
| 11001 |  | Lime punning with lime mortar 1:1 (1 lime putty : 1 fine sand) | sq.m | 81.00 |
| 11002 |  | Finishing fine with neeru over plaster | sq.m | 49.00 |
| 11003 |  | 12mm cement plaster 1:3 (1 cement : 3 fine sand) | sq.m | 238.00 |
| 11004 |  | 12mm cement plaster 1:4 (1 cement : 4 fine sand) | sq.m | 223.00 |
| 11005 |  | 12mm cement plaster 1:5 (1 cement : 5 fine sand) | sq.m | 215.00 |
| 11006 |  | 12mm cement plaster 1:6 (1 cement : 6 fine sand) | sq.m | 208.00 |
| 11007 |  | 15mm cement plaster 1: 3 (1 cement : 3 fine sand) on the rough side of single or half brick wall. | sq.m | 275.00 |
| 11008 |  | 15mm cement plaster 1: 4 (1 cement : 4 fine sand) on the rough side of single or half brick wall. | sq.m | 257.00 |
| 11009 |  | 15mm cement plaster 1: 5 (1 cement : 5 fine sand) on the rough side of single or half brick wall. | sq.m | 248.00 |
| 11010 |  | 15mm cement plaster 1: 6 (1 cement : 6 fine sand) on the rough side of single or half brick wall. | sq.m | 239.00 |
| 11011 |  | 20mm cement plaster 1: 3 (1 cement : 3 fine sand) | sq.m | 357.00 |
| 11012 |  | 20mm cement plaster 1: 4 (1 cement : 4 fine sand) | sq.m | 331.00 |
| 11013 |  | 20mm cement plaster 1: 5 (1 cement : 5 fine sand) | sq.m | 318.00 |
| 11014 |  | 20mm cement plaster 1: 6 (1 cement : 6 fine sand) | sq.m | 307.00 |
| 11015 |  | 6mm cement plaster to ceiling 1: 3 (1 cement : 3 fine sand) | sq.m | 182.00 |
| 11016 |  | 6mm cement plaster to ceiling 1: 4 (1 cement : 4 fine sand) | sq.m | 172.00 |
| 11017 |  | Extra for plaster to ceiling above 5m height from floor level for every additional height of one meter or part there of. | sq.m | 107.00 |
| 11018 |  | Neat Cement punning | sq.m | 58.00 |
| 11019 |  | Extra for plastering spherical ceiling | sq.m | 83.00 |
| 11020 |  | Extra for plastering groined ceiling | sq.m | 96.00 |
| 11021 |  | Extra for plastering flowing soffits. | sq.m | 65.00 |
| 11022 |  | 12mm cement plaster 1:3 (1 cement : 3 coarse sand) | sq.m | 238.00 |
| 11023 |  | 12mm cement plaster 1:4 (1 cement : 4 coarse sand) | sq.m | 223.00 |
| 11024 |  | 12mm cement plaster 1:5 (1 cement : 5 coarse sand) | sq.m | 217.00 |
| 11025 |  | 12mm cement plaster 1:6 (1 cement : 6 coarse sand) | sq.m | 208.00 |
| 11026 |  | 15mm cement plaster 1: 3 (1 cement: 3 coarse sand) on the rough side single or half brick wall. | sq.m | 275.00 |
| 11027 |  | 15mm cement plaster 1: 4 (1 cement: 4 coarse sand) on the rough side single or half brick wall. | sq.m | 257.00 |
| 11028 |  | 15mm cement plaster 1: 5 (1 cement: 5 coarse sand) on the rough side single or half brick wall. | sq.m | 248.00 |
| 11029 |  | 15mm cement plaster 1: 6 (1 cement: 6 coarse sand) on the rough side single or half brick wall. | sq.m | 239.00 |
| 11030 |  | 20mm cement plaster 1: 3 (1 cement : 3 coarse sand) | sq.m | 361.00 |
| 11031 |  | 20mm cement plaster 1: 4 (1 cement : 4 coarse sand) | sq.m | 331.00 |
| 11032 |  | 20mm cement plaster 1: 5 (1 cement : 5 coarse sand) | sq.m | 318.00 |
| 11033 |  | 20mm cement plaster 1:6 (1 cement : 6 coarse sand) | sq.m | 307.00 |
| 11034 |  | 12mm cement plaster 1: 3 (1 cement ; 3 coarse sand) finished with a floating coat of neat cement. | sq.m | 294.00 |
| 11035 |  | Extra for providing and mixing water proofing material proportion recommended by the manufacturers. |  |  |
| a | 12mm cement plaster 1: 3 (1 cement : 3 sand) | sq.m | 10.00 |
| b | 12mm cement plaster 1: 4 (1 cement : 4 sand) | sq.m | 8.00 |
| c | 15mm cement plaster 1: 3 (1 cement : 3 sand) | sq.m | 11.00 |
| d | 15mm cement plaster 1: 4 (1 cement : 4 sand) | sq.m | 8.00 |
| e | 20mm cement plaster 1: 3 (1 cement : 3 sand) | sq.m | 12.00 |
| f | 20mm cement plaster 1: 4 (1 cement : 4 sand) | sq.m | 10.00 |
| 11036 |  | 18mm cement plaster in two coats under layer 12mm thick cement plaster 1:5 ( 1 cement : 5 coarse sand) and top layer 6mm thick with cement plaster 1: 3 (1 cement : 3 coarse sand) finished with sponge. | sq.m | 329.00 |
| 11037 |  | Extra for plastering exterior walls of height more than 10m from ground level for every additional height of 3m or part thereof. | sq.m | 49.00 |
| 11038 |  | Extra for plastering on circular work not exceeding 6m in radius |  |  |
| a | In one coat | sq.m | 34.00 |
| 11039 |  | Extra for plastering done on mouldings, cornices, or arch it raves including neat finish to line and level. |  |  |
| a | In one coat | sq.m | 338.00 |
| 11040 |  | 18mm plastering with terrazzo finish rubbed and polished complete, under layer 12mm thick cement plaster 1: 3 (1 cement : 3 coarse sand) and top layer 6mm thick white black or white and black marble chips of 3mm and down size laid in cement marble powder mix 3: 1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble / powder mix: 7 marble chips) by volume. | sq.m | 599.00 |
| 11041 |  | 12mm thick plain cement mortar bands in cement mortar 1:4 (1 cement: 4 fine sand) |  |  |
|  |  | 1 meter long, 1 cm wide | Each | 77.00 |
| 11042 |  | 18mm thick plain cement mortar bands in cement mortar 1:4 (1 cement : 4 fine sand) |  |  |
|  |  | 1 meter long, 1 cm wide | Each | 80.00 |
| 11043 |  | 12mm thick moulded cement mortar bands in cement mortar 1:4 (1 cement : 4 fine sand) cm per meter | Each | 92.00 |
| 11044 |  | 18mm thick molded cement mortar bands in cement mortar 1:4 (1 cement : 4 fine sand) cm per meter | Each | 95.00 |
| 11045 |  | 18mm pebble dash plastering under layer 12mm thick cement plaster 1: 3 (1 cement: 3 coarse sand) and top layer 6mm thick cement plaster 1: 4 (1 cement : 4 coarse sand) with pebbles of nominal size 3mm to 10mm | sq.m | 455.00 |
| 11046 |  | Rough cast plaster with a mixture of sand and gravel or crushed stone from 2.36mm to 12.5mm nominal size dashed over and including fresh plaster in two layer 12mm cement plaster 1:4 (1 cement : 4 coarse sand) and top layer 10mm cement plaster 1: 3 (1 cement : 3 fine sand) mixed with 10% finely grounded hydrated lime by volume of cement. |  |  |
| a | Natural cement finishing using ordinary cement | sq.m | 589.00 |
| 11047 |  | Pebble dash plaster with a mixture of washed pebble or crushed stone 6mm to 12.5mm nominal size dashed over and including fresh plaster in two layer, under layer 12mm cement plaster 1: 4 (1 cement : 4 coarse sand) and top layer 10mm cement plaster with cement mortar 1: 3 (1 cement: 3 fine sand) mixed with 10% finely ground hydrated lime by volume of cement. | sq.m | 490.00 |
| 11048 |  | Pointing on brick work with cement mortar 1: 3 (1 cement : 3 fine sand) |  |  |
| a | Flush pointing | sq.m | 141.00 |
| b | Ruled pointing | sq.m | 145.00 |
| c | Raised and cut pointing | sq.m | 222.00 |
| 11049 |  | Pointing on stone work, with cement mortar 1: 3 (1 cement: 3 fine sand) |  |  |
| a | Flush pointing | sq.m | 201.00 |
| b | Ruled pointing | sq.m | 201.00 |
| c | Raised and cut pointing | sq.m | 347.00 |
| 11050 |  | Extra for painting on walls on the outside at height more than 10m from ground level for every additional height of 3.0 m or part thereof. | sq.m | 13.00 |
| 11051 |  | White washing with lime on new work ( three or more coats) to give an even shade. | sq.m | 56.00 |
| 11052 |  | White washing with lime on old work ( two or more coats) to give an even shade. | sq.m | 47.00 |
| 11053 |  | White washing with whiting on new work ( three or more coats) to give an even shade. | sq.m | 58.00 |
| 11054 |  | White washing with whiting on old work(two or more coats) to give an even shade | sq.m | 38.00 |
| 11055 |  | White washing with whiting on old work ( one coat) to give an even shade. | sq.m | 24.00 |
| 11056 |  | Colour washing such as green, blue or buff on new work ( two or more coats) including a base coat of white washing with lime to give an even shade. | sq.m | 66.00 |
| 11057 |  | Colour washing such as green, blue or buff with lime on old work (two or more coats) to give an even shade. | sq.m | 48.00 |
| 11058 |  | Colour washing such as green, blue or buff on new work ( two or more coats) including a base coat of white washing with whiting to give an even shade. | sq.m | 63.00 |
| 11059 |  | Removing white or colour wash by scrapping, sand papering and preparing surface smooth including necessary repairs to scratches etc. complete. | sq.m | 19.00 |
| 11060 |  | Distempering with dry distemper of approved brand and manufacturer two or more coats of required shade on new work over and including priming coat of whiting to give an even shade. | sq.m | 91.00 |
| 11061 |  | Distempering with dry distemper of approved brand and manufacturer one or more coats of required shade on old work to give an even shade. | sq.m | 47.00 |
| 11062 |  | Distempering two or more coats with oil bound washable distemper of approved brand and manufacture and of required shade on new work over and including a priming coat with distemper primer of approved brand and manufacture to give an even shade. | sq.m | 124.00 |
| 11063 |  | Distempering (one/ more coat) with oil bound washable distemper of approved brand and manufacture and of required shade on old work to give an even shade. | sq.m | 44.00 |
| 11064 |  | Applying one coat of cement primer of approved brand and manufacture on wall surface. | sq.m | 53.00 |
| 11065 |  | Applying one coat of distemper primer of approved brand and manufacture on wall surface. | sq.m | 51.00 |
| 11066 |  | Finishing wall with waterproofing cement paint of approved brand and manufacture and of required shade on new work (three or more coats) to give an even shade. | sq.m | 73.00 |
| 11067 |  | Finishing wall with waterproofing cement paint of approved brand and manufacture and of required shade on old work (one or more coats) to give an even shade. | sq.m | 48.00 |
| 11068 |  | Finishing wall with superior quality waterproofing cement paint (super snow hem or equivalent) of required shade on new work (three or more coats) to give an even shade. | sq.m | 103.00 |
| 11069 |  | Finishing wall with superior quality waterproofing cement paint (super snow hem or equivalent) of required shade on old work (three or more coats) to give an even shade. | sq.m | 47.00 |
| 11070 |  | Removing dry or oil bound distemper by scrapping sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete. | sq.m | 22.00 |
| 11071 |  | Painting 2 coats with oil type wood preservative of approved brand & manufacture on new work. | sq.m | 52.00 |
| 11072 |  | Painting 1 coat with oil type wood preservative of approved brand & manufacture on old work. | sq.m | 44.00 |
| 11073 |  | Coal tarring two coats on new work using 0.16 and 0.12 liter of coal tar per sq.m. in the first coat and second respectively. | sq.m | 116.00 |
| 11074 |  | Coal tarring one coat on old work using 0.12 liter of coal tar per sq.m. | sq.m | 65.00 |
| 11075 |  | Applying priming coat consisting of a mixture of red lead, white lead and double boiled linseed oil in the ratio of 0.7 kg. 0.7 kg. 1 litre on wood work complete. | sq.m | 97.00 |
| 11076 |  | Applying priming coat with ready mixed primer of approved brand and manufacture on wood work complete. | sq.m | 58.00 |
| 11077 |  | Applying priming coat with ready mixed primer of approved brand and manufacture on steel work. | sq.m | 51.00 |
| 11078 |  | Applying priming coat with ready mixed red lead paint of approved brand and manufacture on steel work. | sq.m | 49.00 |
| 11079 |  | Painting two or more coats (excluding priming coat) with ordinary ready mixed paint of approved brand & manufacture in all shades except white or green on new work to give an even shade. | sq.m | 105.00 |
| 11080 |  | Painting one/ two more coats with ordinary ready mixed paint of approved brand & manufacture in all shades except white or green on old work to give an even shade. | sq.m | 72.00 |
| 11081 |  | Painting two or more coats (excluding priming coat) with superior quality ready mixed paint for steel work of approved brand & manufacture in all shades on new work to give an even shade. | sq.m | 107.00 |
| 11082 |  | Painting one or more coats with superior quality ready mixed paint of steel work of approved brand & manufacture in all shades on old work to give an even shade. | sq.m | 73.00 |
| 11083 |  | Painting two or more coats (excluding priming coat) with superior quality ready mixed paint for wood work of approved brand & manufacture in all shades on new work to give an even shade. | sq.m | 101.00 |
| 11084 |  | Painting one or more coats with superior quality ready mixed paint of wood work of approved brand & manufacture in all shades on old work to give an even shade. | sq.m | 72.00 |
| 11085 |  | Paints two coats on G. I. Sheet with superior quality ready mixed paint of approved brand and manufacture on new work to give an even shade. | sq.m | 92.00 |
| 11086 |  | Painting one or more coats on G.I. sheets with superior quality ready mixed paint of approved brand and manufacture on old work to give an even shade. | sq.m | 61.00 |
| 11087 |  | Spray painting with flat wall paints of approved brand and manufacture two or more coats on new work including priming coat of distemper primer of approved brand and manufacture to give an even shade. | sq.m | 151.00 |
| 11088 |  | Painting (two or more coats) with synthetic enamel paint of approved brand and manufacture in all shade or new work over and under coat of suitable shade with ordinary paint of approved brand and manufacture to give an even shade | sq.m | 161.00 |
| 11089 |  | Painting (one or more coats) with synthetic enamel paint of approved brand and manufacture in all shades on old work to give an even shade. | sq.m | 72.00 |
| 11090 |  | Painting (two or more coats) with aluminium paint of approved brand and manufacture on new work to give an even shade. | sq.m | 95.00 |
| 11091 |  | Painting (one or more coats) with aluminium paint of approved brand and manufacture on old work to give an even shade. | sq.m | 67.00 |
| 11092 |  | Painting (two or more coats) with acid proof paint of approved brand and manufacture in chocolate or black shade on new work to give an even shade. | sq.m | 68.00 |
| 11093 |  | Painting (one or more coats) with acid proof paint of approved brand and manufacture in chocolate or black shade on old work to give an even shade. | sq.m | 49.00 |
| 11094 |  | Painting (two or more coats) with black anticorrosive bitumastic paint of approved brand and manufacture on new work to give an even shade. | sq.m | 80.00 |
| 11095 |  | Painting (one or more coats) with black anticorrosive bitumastic paint of approved brand and manufacture on old work to give an even shade. | sq.m | 57.00 |
| 11096 |  | Painting (one or more coats) with black japan paint of approved brand and manufacture to give an even shade. | sq.m | 70.00 |
| 11097 |  | Wall painting (two or more coats) with plastic emulsion paint of approved brand and manufacture on new work to give an even shade. | sq.m | 114.00 |
| 11098 |  | Wall painting (one or more coats) with plastic emulsion paint of approved brand and manufacture on old work to give an even shade. | sq.m | 79.00 |
| 11099 |  | Varnishing (two or more coats) with copal varnish of approved brand and manufacture on new work including an under coat Bees waxing on wood work with local made wax polish in proportion of 2:1 5:1 0.5 (2 wax: 1.5 linseed oil: 1) |  |  |
| a | With glue sizing | sq.m | 168.00 |
| b | With transparent wood filler. | sq.m | 163.00 |
| 11100 |  | Varnishing with (1 or more coats) with copal varnish of approved brand & manufacture on old work. | sq.m | 76.00 |
| 11101 |  | Oiling (two or more coats) with raw linseed oil on new work. | sq.m | 65.00 |
| 11102 |  | Oiling (one or more coats) with raw linseed oil on old work. | sq.m | 51.00 |
| 11103 |  | Bees waxing on wood work with local made wax polish in proportion of 2:1 5:1 : 0.5 (2 wax : 1.5 linseed oil 1 turpentine oil, 0.5 varnish by weight) on new work. | sq.m | 120.00 |
| 11104 |  | Bees waxing on wood work with local made wax polish in proportion of 2:1 5:1 : 0.5 (2 bees wax : 1.5 linseed oil 1 turpentine oil, .5 varnish by weight) on old work. | sq.m | 75.00 |
| 11105 |  | Polishing on wood work with ready made superior quality wax polish of approved brand and manufacture on new work. | sq.m | 121.00 |
| 11106 |  | Polishing on wood work with ready made superior quality wax polish of approved brand and manufacture on old work. | sq.m | 69.00 |
| 11107 |  | Floor polishing on masonry or concrete floors with superior quality wax polish of approved brand and manufacture. | sq.m | 64.00 |
| 11108 |  | Painting (two or more coats) on rain water, soil, waste & vent pipes and fittings with black anti- corrosive bitumanstic paint of approved brand and manufacture over a priming coat of ready mixed genuine red lead on new work: |  |  |
| a | 50mm diameter pipes | Metre | 31.00 |
| b | 75mm diameter pipes | Metre | 41.00 |
| 11109 |  | Painting (one or more coats) on rain water, soil, waste & vent pipes and fittings with black anti- corrosive bitumanstic paint of approved brand and manufacture on old work: |  |  |
| a | 50mm diameter pipes | Metre | 24.00 |
| b | 75mm diameter pipes | Metre | 21.00 |
| c | 100mm diameter pipes | Metre | 27.00 |
| d | 150mm diameter pipes | Metre | 34.00 |
| 11110 |  | Painting (two or more coats) on rain water, soil, waste & vent pipes and fittings with aluminium paint of approved brand and manufacture over a priming coat of ready mixed genuine red lead on new work: |  |  |
| a | 50mm diameter pipes | Metre | 36.00 |
| b | 75mm diameter pipes | Metre | 48.00 |
| c | 100mm diameter pipes | Metre | 67.00 |
| d | 150mm diameter pipes | Metre | 94.00 |
| 11111 |  | Painting (one or more coats) on rain water, soil, waste & vent pipes and fittings with aluminium paint of approved brand and manufacture on old work: |  |  |
| a | 50mm diameter pipes | Metre | 24.00 |
| b | 75mm diameter pipes | Metre | 35.00 |
| c | 100mm diameter pipes | Metre | 48.00 |
| d | 150mm diameter pipes | Metre | 66.00 |
| 11112 |  | Lettering with black japan paint of approved brand and manufacture. |  |  |
|  |  | \*1 Letter of 1 cm height. | cm height / letter | 49.00 |
| 11113 |  | Re-lettering with black japan paint of approved brand and manufacture. |  |  |
|  |  | \*1 Letter of 1 cm ht. | cm height / letter | 39.00 |
| 11114 |  | Removing old paint of polish with paint remover of approved brand & manufacture & preparing surface | sq.m | 11.00 |
| 11115 |  | Removing old paint with blow lamp and preparing surface | sq.m | 14.00 |
| 11116 |  | Providing and applying Synthetic elastomeric coating cum paint of reputed make such as Polysafe or equivalent conforming to relevant IS specification ready to use for bridge structures in saline atmosphere as to avoid salt concentration from marine environment, ultra-violet effects of the sun rays, fungus development and to protect the reinforcement from marine atmoshpheric effects in 3 coats including sand blasting, cleaning the concrete surfaces brushing and applying the polymerbased chemical coating with PRIMER, 1ST COAT and SECOND COAT at an interval of 24 hrs in approved shade and colour including scaffolding etc. (as directed by the Engineer-in-charge) complete with 5 yrs guarantee). | sq.m | 568.00 |
| 11117 |  | Painting three or more coats with acryllic exterior paint of approved brand and manufacture (Such as Dulex/ Asian Paints/ Sherwin Willians) including applying one coat of cement primer and one coat of surface treatment etc. complete. | sq.m | 208.00 |
| 11118 |  | Painting one or more coats of acryllic exterior paint of approved brand and manufacture(Such as Dulex/ Asian Paints/ Sherwin Willians) on old work including cleaning the surface with water etc. complete. | sq.m | 114.00 |
| 11119 |  | Providing and applying **white cement based putty** of average thickness 1.00mm of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete. | sq.m. | 89.00 |
| 11120 |  | Applying breathable, non-reactive, antifungal, and **water repellant Silane/ Siloxane chemical** as approved by Archaeological Survey of India/ Engineer, of approved brand and manufacture, diluted with solvent mineral Turpentine oil in the ratio of 1:12 (One part of approved chemical :12 Part of Turpentine oil), on the **exposed laterite masonry surface** with two or more coats to give uniform application of chemical on the surface, all complete as per direction of Engineer. (The rate is inclusive of all materials & labours). | sq.m. | 67.00 |
| 11121 |  | **Melamine polishing** on wood work (one or more coat) |  |  |
| a | Glossy | sq.m. | 991.00 |
| b | Matt | sq.m. | 1040.00 |

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| **CHAPTER XV** | | | | |
| **DISMANTLING DEMOLISHING & REPAIRS WORK** | | | | |
| **SR. NO.** |  | **DESCRIPTION** | **UNIT** | **RATE** |
| 12001 |  | Repairs to plaster in patches of 2.5 sq.m. and under including cutting the patch in proper shape and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50m lead. |  |  |
|  |  | With cement mortar 1:4 (1 cement : 4 fine sand) | sq.m | 314.00 |
| 12002 |  | Fixing doors chowkhat in existing opening including embedding chowkhats in floor, cutting masonry for hold fasts embedding hold fast in cement concrete blocks with cement concrete 1:3:6 (1 cement ; 3 coarse sand : 6 graded stone aggregate 20mm nominal size) painting two coats of coal tar to sides of chowkhats and making good the damages to walls & floors complete including disposal of rubbish to the dumping ground within 50mts. lead. | Each | 898.00 |
| 12003 |  | Fixing windows chowkhat in existing opening including cutting masonry for hold fasts embedding hold fast in cement concrete blocks with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) painting two coats of coal tar to sides of chowkhats and making good the damages to walls complete including disposal of rubbish to the dumping ground within 50mts. lead. | Each | 770.00 |
| 12004 |  | Fixing clerestory windows chowkhat in existing opening including cutting masonry for hold fast embedding hold fast in cement concrete blocks with cement concrete 1:3:6 (1 cement ; 3 coarse sand : 6 graded stone aggregate 20mm nominal size) painting two coats of coal tar to sides of chowkhats and making good the damages to walls complete including disposal of rubbish to the dumping ground within 50mts. lead. | Each | 740.00 |
| 12005 |  | Providing and fixing wooden cleats to doors and windows with the approved fittings including removal of old cleats where necessary including painting, polishing of bees waxing to match the existing shade. |  |  |
| a | 1st class or 2nd class indian teak wood cleats with brass hinges and screws. | Each | 229.00 |
| b | 1st class or 2nd class teak wood cleats with iron hinges and screws. | Each | 115.00 |
| 12006 |  | Supplying and fixing glass panes with putty and nails including removal of broken glass panes wherever necessary |  |  |
| a | Glass panes 2mm thick` | sq.m | 880.00 |
| b | Glass panes 3mm thick | sq.m | 931.00 |
| c | Frosted glass panes 2mm thick | sq.m | 1208.00 |
| 12007 |  | Supplying and fixing new wooden fillets wherever necessary |  |  |
| a | 1st class teak wood fillets. | Metre | 52.00 |
| b | 2nd class Indian teal wood fillets | Metre | 48.00 |
| 12008 |  | Removal of old putty of glass panes | Metre | 32.00 |
| 12009 |  | Refixing of old glass panes with putty and nails | sq.m | 376.00 |
| 12010 |  | Supplying and fixing glass panes with wooden fillets including removal of broken glass panes and old wooden fillet wherever necessary but excluding the cost of wooden fillets. |  |  |
| a | Glass panes 2mm thick. | sq.m | 881.00 |
| b | Glass panes 3mm thick | sq.m | 931.00 |
| c | Frosted glass panes 2mm thick | sq.m | 1208.00 |
| 12011 |  | Laying manglore roofing tiles, ridges, valleys etc. complete on roofs over existing battens rafters etc. (Tiles to be issued by the department). | sq.m | 97.00 |
| 12012 |  | Renewing wooden battens in roofs including making good the holes in walls & painting with oil type wood preservative of approved brand and manufacture complete including removal of rubbish to the dumping ground within 50 meter lead : |  |  |
|  |  | Jamba wood beams | cu.m | 64165.00 |
| 12013 |  | Renewing wooden beams not exceeding 4.00 in length in roofs including making good the holes in walls & painting with oil type wood preservative of approved brand and manufacture complete including removal of rubbish to the dumping ground within 50 meters. Lead : |  |  |
|  |  | Second class matti wood beams | cu.m | 104149.00 |
| 12021 |  | Renewing wooded beams (above 4mt. upto 5 mt. length in roofs including making good the holes in walls and painting with oil type wood preservative of approved brand and manufacture complete including disposal of rubbish to the dumping ground within 50 meters lead. |  |  |
|  |  | Second class matti wood beams | cu.m | 105893.00 |
| 12022 |  | Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 mts. lead. | sq.m | 27.00 |
| 12023 |  | Raking out joints in lime or cement mortar and preparing the surface for repainting or replastering including disposal of rubbish to the dumping ground within 50 mts. lead. | sq.m | 35.00 |
| 12024 |  | Providing and fixing M.S. fan clamps of standard shape and size in existing R.C.C. slab including cutting chase and making good and painting exposed portion of the clamps complete. | each | 334.00 |
| 12025 |  | Supplying and fixing glass panes with new wooden fillets including removal of broken glass panes and old wooden fillets, wherever necessary . |  |  |
| a | Glass panes 2mm thick | sq.m | 1245.00 |
| b | Glass panes 3mm thick | sq.m | 1296.00 |
| c | Frosted glass panes 2mm thick | sq.m | 1573.00 |
| 12026 |  | Supplying and fixing 3mm thick acrylic sheet with putty nails, in door/ window shutters including removal of broken glass pane wherever necessary. | sq.m | 1455.00 |
| 12027 |  | Demolishing lime concrete & disposal of material within 50 mts. lead. | cu.m | 420.00 |
| 12028 |  | Demolishing cement concrete 1:3:6 or richer mix including disposal of material within 50 m lead. | cu.m | 1122.00 |
| 12029 |  | Demolishing cement concrete 1:4:8 or leaner mix including disposal of material within 50 m lead. | cu.m | 710.00 |
| 12030 |  | Demolishing R.C.C. work including stacking of steel bars & disposal of unserviceable within 50 mts. lead. | cu.m | 1618.00 |
| 12031 |  | Demolishing R.B. work including stacking of steel bars & disposal of unserviceable material within 50 mts. lead | cu.m | 1455.00 |
| 12032 |  | Extra for cutting reinforcement bars in R.C.C. or R.B. work | sq.m | 545.00 |
| 12033 |  | Extra for scraping, cleaning and straightening reinforcement from R.C.C. or reinforced brick work | qtl | 410.00 |
| 12034 |  | Demolishing brick work in mud mortar including stacking of serviceable and disposal or unserviceable material within 50 mts. lead. | sq.m | 355.00 |
| 12035 |  | Demolishing brick work in lime mortar with old mughal bricks including stacking of serviceable material & disposal of unserviceable material within 50 mts. lead. | cu.m | 837.00 |
| 12036 |  | Demolishing brick work in cement mortar including stacking of serviceable material & disposal of unserviceable material within 50 mts. lead. | cu.m | 958.00 |
| 12037 |  | Removing mortar from & cleaning bricks (stacks of cleaned bricks will be measured) | cu.m | 1671.00 |
| 12038 |  | Demolishing laterite stone masonry in cement mortar including stacking of serviceable material & disposal of unserviceable material within 50 mts. lead. | cu.m | 1136.00 |
| 12039 |  | Dismantling dressed stone work ashlar face stone work, marble work or precast concrete work in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50mts. lead. | cu.m | 1324.00 |
| 12040 |  | Dismantling wood work of sectional area 40 sq.cm. and above wrought framed and fixed in frames, other frames and trusses including stacking of material within 50 mts. lead (span upto 10 mtrs.) | cu.m | 2056.00 |
| 12041 |  | Dismantling wood work of area below 40 sq.cm. wrought framed and fixed in frames, other frames and trusses including stacking of material within 50 mts. lead | Metre | 12.00 |
| 12042 |  | Dismantling doors, windows and clearestory windows (steel or wood) shutters including chowkhats architrave holdfast etc. complete and staking within 50 mt. Lead |  |  |
| a | Of area 3 sq.m. and below | each | 206.00 |
| b | Area beyond 3 sq.m. | each | 266.00 |
| 12043 |  | Taking out doors, windows and clerestory windows shutters (steel or wood) including stacking within 50 mts. lead |  |  |
| a | Of area 3 sq.m. and below | Each | 105.00 |
| b | Area beyond 3 sq.m. | Each | 126.00 |
| 12044 |  | Extra for dismantling trusses, rafters, purlins etc. of wood work for every additional span of 1 mt. of part thereof beyond 10 meters. |  |  |
| a | Sectional area 40 sq. cms. And abvoe | cu.m | 289.00 |
| b | Sectional area below 40 sq. cm.s | cu.m | 12.00 |
| 12045 |  | Extra for dismantling trusses, rafters, purlins etc. of wood work for every additional height of 1 mt. or part thereof Dismantling steel work in single sections in R.S., joists including dismembering and staking within 50mts. lead |  |  |
| a | Sectional area 40 sq.cm. and above | cu.m | 446.00 |
| b | Sectional area below 40 sq.cms. | cu.m | 57.00 |
| 12046 |  | Dismantling steelwork in single sections in R.S., joists including dismembering and stacking within 50 mts. lead | qtl | 192.00 |
| 12047 |  | Dismantling steelwork in single sections in channels, angles, tees and flats including dismembering and stacking within 50 mts. lead | qtl | 147.00 |
| 12048 |  | Dismantling steelwork in built up sections in angles, tees, flats and channels including all gusset plates bolts, nuts, cutting dismembering and staking within 50 mts. lead | qtl | 293.00 |
| 12049 |  | Dismantling steel work in built up sections excluding dismembering & stacking within 50 mts. lead. | qtl | 212.00 |
| 12050 |  | Extra for dismantling trusses, rafters, purlins etc. of steel work, for every additional span of one meter or part thereof beyond 10 mts. | qtl | 80.00 |
| 12051 |  | Extra for dismantling trusses, rafters, purlins etc. of steel work, for every additional height of one meter or part thereof beyond 5 mts. | qtl | 80.00 |
| 12052 |  | Extra for making structural steel work required to be reerected | qtl | 224.00 |
| 12053 |  | Dismantling the tile work in floors and roofs laid in cement including stacking of materials within 50 meters lead for thickness of tiles 10mm to 25mm. | sq.m | 330.00 |
| 12054 |  | Demolishing dry bricks, pitching in floors drains etc., including stacking of serviceable and disposal of unserviceable material within 50 mts. lead. | cu.m | 626.00 |
| 12055 |  | Dismantling G.I. sheets roofing including ridges, hips valleys and gutters etc. and stacking the material within 50 meters lead. | sq.m | 78.00 |
| 12056 |  | Dismantling asbestos sheet roofing including ridges, hips valley and gutters and stacking the material within 50 meters lead. | sq.m | 38.00 |
| 12057 |  | Dismantling and removing mangalore roofing tiles from roofs including ridges, hips, valleys, sheets wind ties etc. but excluding battens, roof timber etc. and stacking materials within a distance of 50 mt. | sq.m | 52.00 |
| 12058 |  | Dismantling tiled roofing (mangalore or pot or country tiles) with battens etc. complete including stacking of serviceable material & disposal of unserviceable material within 50 mts. lead. | sq.m | 79.00 |
| 12059 |  | Demolishing thatch roofing including mats bamboo jafari etc. complete including stacking of serviceable material and disposal of unserviceable material within 50 mts. lead. | sq.m | 36.00 |
| 12060 |  | Dismantling ballies in posts purlins or rafters including stacking within 50 meters lead. | Metre | 54.00 |
| 12061 |  | Dismantling G.I. or asbestos rain water pipes with fittings and clamps including stacking the material within 50 mts. lead. |  |  |
|  |  | 75mm to 150 mm dia. | Metre | 38.00 |
| 12062 |  | Dismantling barbed wire or flexible wire rope in fencing including making rolls and stacking within 50 meters lead. | qtl | 1679.00 |
| 12063 |  | Dismantling wooden trellies work in position excluding frames but including stacking the serviceable material within 50 meters lead. | sq.m | 33.00 |
| 12064 |  | Dismantling expanded metal or hard drawn steel wire with necessary battens & bending including stacking the serviceable material within 50 mts. lead. | sq.m | 42.00 |
| 12065 |  | Dismantling wooden boarding in linings of walls & partitions excluding supporting members but including stacking within 50 meters lead. |  |  |
| a | Upto 19mm thick | sq.m | 31.00 |
| b | Thickness above 19mm and upto 25mm | sq.m | 38.00 |
| c | Thickness above 25mm and upto 38mm | sq.m | 43.00 |
| 12066 |  | Dismantling precast concrete or stone slabs in walls, partition walls etc. including stacking within 50 meters lead. |  |  |
|  |  | Thickness upto 38mm | sq.m | 132.00 |
|  |  | Thickness above 38mm and upto 75mm | sq.m | 196.00 |
| 12067 |  | Dismantling cement asbestos celotex or other ceiling or partition hard broad wall including stacking of serviceable materials and disposal of unserviceable materials within 50 mts. lead. | sq.m | 29.00 |
| 12068 |  | Dismantling and stacking with in 50 meters lead fencing posts or struts including all earth work and dismantling of concrete etc. in the base of: |  |  |
| a | T or l iron or pipes | Each | 187.00 |
| b | R.C.C. | Each | 315.00 |
| 12069 |  | Cutting ballies or wooden posts of fencing at the point of projection above the concrete or ground & stacking the same within 50 mts. lead. | Each | 38.00 |
| 12070 |  | Dismantling rolling shutters, top covers and shafts etc. for replacement of springs ball bearing complete and refixing the shutter after replacement of springs and ball bearing (cost of replacement parts excluded) including all labour and returning the unserviceable parts to the department complete. | sq.m | 245.00 |
| 12071 |  | Dismantling of existing G.I pipe including disposal of unserviceable material and stacking of serviceable materials . |  |  |
|  | a | Upto 20 mm nominal bore | Metre | 10.00 |
| 12072 |  | Removing and refixing of door/ window shutters paneled or paneled and glazed including replacing of existing hionges chiseling etc complete as directed by Engineer- in – charge |  |  |
|  | a | Below 1 Sq.m area | sq.m | 1451.00 |
|  | b | Above 1 Sq.m area | sq.m | 1817.00 |

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| **CHAPTER XVI** | | | | |
| **LANDSCAPING & HORTICULTURE WORK** | | | | |
| **SR.NO.** |  | **DESCRIPTION** | **UNIT** | **RATE** |
| 13001 |  | Supplying and stacking of good earth at site including royalty and carriage upto 1 km. (earth measured in stacks will be reduced by 20% for payment). | cu.m | 578.00 |
| 13002 |  | Rough dressing the trenched ground including breaking clods. | 100 sq.m | 135.00 |
| 13003 |  | Fine dressing the trenched ground. | 100 sq.m | 275.00 |
| 13004 |  | Spreading of sludge, dung manure or/and good earth in required thickness (cost of sludge, dung manure or/and good earth to be paid separately). | cu.m | 74.00 |
| 13005 |  | 1) Grassing with “doob” grass including watering and maintenance of the lawn for 30 days or more till the grass forms of thick lawn free from weeds and fit for moving, including supplying good earth if needed. (Cost of “doob” grass not included ) |  |  |
| a | 2) In rows 15 cm apart in either direction. | 100 sq.m | 392.00 |
| b | 2) In rows 7.5 cm apart in either direction. | 100 sq.m | 654.00 |
| c | 3) In rows 5 cm apart in either direction | 100 sq.m | 884.00 |
| 13006 |  | Digging holes in ordinary soil and refilling the same with the excavated earth mixed with manure or sludge in ratio of 2: 1 by volume (2 parts or stacked volume of earth after reduction by 20% and 1 part of stacked volume of manure after reduction by 40%) flooding with water, dressing including removal of rubbish & surplus earth if any with all leads & lifts (cost of manure or sludge of extra good earth if needed to be paid for separately) |  |  |
|  |  | Holes 1.2m dia and 1.2m deep | Each | 550.00 |
| 13007 |  | Providing and fixing M.S. flat iron tree guard 60cm dia & 2 m high above ground level, formed of 4 nos. 25 x 6mm and 8 nos. 25 x 3mm vertical M.S. flat iron rings in two halves, bolted together with 8mm dia and 30 mm long bolts including painting two coats with paint of approved brand and manufacture over a coat of priming, complete in all respects. | Each | 4255.00 |
| 13008 |  | Making tree guard 53cm dia and 1.5m high as per design from empty coat tar drums supplied from by the department including providing and fixing 2 nos. M.S. Sheet rings 50 x 0.5 mm with rivets complete in all respects including painting inside outside of tree guard with a) A coat of Coal tar | Each | 664.00 |
| 13009 |  | Filling mixture of earth & sludge or manure in the desired proportion in trenches flooding with water and leveling (cost of supplying earth and sludge of manure and mixing excluded). | cu.m | 117.00 |
| 13010 |  | Excavation in dumped stones or mulba including stacking of serviceable & unserviceable material separately & disposal of unserviceable material lead upto 50m and lift upto 1.5m disposed material to be neatly dressed. | cu.m | 328.00 |
| 13011 |  | Excavation in water bound macadam road including stacking of serviceable & unserviceable material separately & disposal of unserviceable material lead upto 50m and lift upto 1.5m disposed material to be neatly dressed. | cu.m | 449.00 |
| 13012 |  | Tree guards made up of four panels of R.C.C. grade M 20 suitable reinforced (reinforcement not less than 7.20 kg) with smooth form finish size 1800mm x 600mm x 600mm with panel thickness of 40 mm provided with 14 SWG G.I. wire at top for tying (set of four panels | Each | 1136.00 |

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| **CHAPTER XVII** | | | | |
| **WATER SUPPLY SEWERAGE, PLUMBING & SANITATION WORK** | | | | |
| **PLUMBING & SANITATION WORKS** | | | | |
| **SR. NO.** |  | **DESCRIPTION** | **UNIT** | **RATE** |
| 15601 |  | Proving and fixing white vitreous china water closet squatting pan (Indian type w.c. pan) size 580 mm with 100 mm sand cast iron P. or S trap 10 litres high level P.V.C. flushing cister (of approved make) with fittings, rack bolts 32 mm diameter P.V.C telescopic flush pipe with fit tings and clamps 25mm P.V.C. over flow pipe with specials & mosquito proof coupling of approved municipal design and nylon pull complete cutting and making good the walls and floors where required. |  |  |
| a | Long pan pattern W. C. Pan | Each | 7355.00 |
| b | Orissa pattern W.C. pan | Each | 6912.00 |
| 15602 |  | Proving and fixing white vitreous china water closet squating (European type w.c. pan) with seat and lid, C.P. brass hinges and rubber buffers 10 lts. High level P.V.C.. flushing cistern (of approved make ) with fittings, rack bolts 32 mm diameter P.V.C. telescopic flush pipe with fit tings and clamps 25mm P.V.C.. over flow pipe with specials & mosquito proof coupling of approved municipal design and nylon. chain and pull complete, cutting and making good the walls ad floors where required. |  |  |
| a | W.C. pan with white plastic seat and lid. | Each | 7925.00 |
| b | W.C. pan with black plastic seat and lid. | Each | 7925.00 |
| 15603 |  | Providing and fixing white vitereous china pedestal type (Europen type) water closet with seat as lid, whth C.I. brass hinges and rubber fitings 15 lts white vitreous china low level flushing cistern with fittings as brackets 40 mm white precelain 3enameled flush bad, 25 mm overflow pipe with specials and mosquito proof coupling of approved municipal design complete, including cutting and making good the walls and floors where required. |  |  |
| a | W.C. pan with white plastic seat and lid | Each | 8056.00 |
| b | W.C. pan with black plastic seat and lid. | Each | 8056.00 |
| 15604 |  | Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430 x 260 x 350 mm and 340 x 430 x 265 mm sizes respectively with pvc automatic flushing cistern with fittings, R.S. or C.I. brackets, standard size galvanised steel flush pipe and spreaders with brass unions & G.I. clamps complete, including painting of cister and fittings, cutting and making good the walls and floors where required. |  |  |
|  | a | One urinal basin with 5 litres p .v .c. automatic flushing cistern. | Each | 15597.00 |
|  | b | Range of two urinal basin with 10 litres pvc. Automatic flushing | Each | 9818.00 |
|  | c | Range of three urinal basins with 10 litres pvc. automatic flushing cistern . | Each | 14771.00 |
|  | d | Range of four urinal basins with 15 litres pvc. automatic flushing cistern . | Each | 23373.00 |
| 15605 |  | Providing and fixing one piece construction white vitreous china squatting plate urinal with an integral longitudinal flushing pipe, 100mm dia half round channel, pvc. Automatic flushing cistern with fittings R.S. or C.I. brackets, standard size G.I. flush pipe for back and front flush with stadard spreader fittings, G.I. clamps, white vitreous china tiling 1200 mm high to front and side walls with white vitreous corners and angles set in neat cement standard urinal C.I. trap 65 mm diameter with vent arm & outlet grating & coupling in c.p. brass complete, including painting the cistern & fittings cutting and making good the walls and floors where required. |  |  |
| a | Single plate with 5 litres pvc. automatic flushing cistern. | each | 17811.00 |
| b | Range of two squating plates with 10 litres pvc automatic flushing cistern. | each | 12960.00 |
| c | Range of three squating plates with 10 litres pvc. automatic flushing cistern. | each | 20108.00 |
| d | Range of four squating plates with 15 litres pvc. automatic flushing cistern. | each | 24832.00 |
| 15606 |  | Providing and fixing vitreous china wash basin with RS or C.I. brackets painted white, 15 mm C.P. brass pillar taps C.P. brass chain with rubber plug 32 mm C.P. brass waste of pattern, 32 mm diameter M.I. or C.P. brass trap and union complete, including cutting and making good the walls where required. |  |  |
| a | Flat back wash basin size 630 x 450mm with a pair of 15 mm C.P. brass pillar taps. | Each | 7953.00 |
| b | Flat back wash basin size 630x 450mm with a single 15 mm C.P. brass pillar taps. | Each | 7044.00 |
| c | Flat back wash basin size 550 x 400mm with a pair of single 15 mm C.P. brass pillar taps. | Each | 6615.00 |
| d | Flat back wash basin size 550 x 400mm with a single 15 mm C.P. brass pillar taps. | Each | 5706.00 |
| e | Angle back was basin size 600 x 480 mm with a pair of 15 mm C.P. brass pillar taps. | Each | 5122.00 |
| f | Angle back was basin size 600 x 480 mm with single 15 mm C.P. brass pillar taps. | Each | 4213.00 |
| 15607 |  | Plugging the hole of wash basin if pillar tap is not to be provided. | Each | 149.00 |
| 15608 |  | Providing and fixing white vitreous china pedestal for was basin complete recessed at the back for the reception of pipes and fittings. | Each | 2800.00 |
| 15609 |  | Proving and fixing kitchen sink with R.S. or C.I. brackets C.P. brass chain with rubber plug 40 mm C.P. brass waste and 40mm M.I. or C.P. brass trap necessary unions complete, including painting the fittings, cutting and making good the walls where required. |  |  |
| a | White vitreous china sink size 600 x 450 x 200 mm | Each | 6754.00 |
| b | White vitreous china sink size 600 x 450 x 250 mm | Each | 5735.00 |
| 15610 |  | Providing and fixing one piece construction bath tub size 1700 mm x 740 mm x 440 mm of desired shade including integral overflow & with detachable feet, a pair of 20 MM C.P. brass pillar taps, 40 mm c p. brass waste, 32 mm c.p. brass overlfow,, c.p. brass chain with rubber plug 40 mm m.i or c.p. brass trap with union complete. |  |  |
| a | Fibre glass tub of desired shade | Each | 13611.00 |
| b | Acryluic 1520 x 710 x 440 mm | Each | 21590.00 |
| c | Acryluic 1680 x 750 x 440 mm | Each | 21590.00 |
| 15611 |  | Providing and fixing white virtreous china water closet squating pan size 580 mm: |  |  |
| a | Long pan pattern (indian type) w.c. pan | Each | 4067.00 |
| b | Orissa pattern w.c. pan | Each | 3604.00 |
| 15612 |  | Providing & fixing white viresous china pedestal type (European type) water closet pan | Each | 2723.00 |
| 15613 |  | Providing & fixing a pair of white viresous china 250 x 130 x 30 mm foot rests of standard pattern for squatting pan water closet. | Each | 1025.00 |
| 15614 |  | Providing and fixing 15 litres low level white vitreous china flushing cistern of approved make with fittings such as lead, valveless syphon etc. and C. P. brass handle complete. | Each | 2659.00 |
| 15615 |  | Providing and fixing 12.5 lts. High level C.I. flushing cistern of approved make with in tegral fittings such as ball valve, ball lever G. I. Chain and pull complete. | Each | 1353.00 |
| 15616 |  | Providing and fixing 5 litres pvc. Automatic flushing cistern with fittings. | Each | 10686.00 |
| 15617 |  | Providing and fixing 10 litres pvc. Automatic flushing cistern with fittings. | Each | 1267.00 |
| 15618 |  | Providing and fixing plastic seat with lid for pedestal type WC pan with CP brass hinges rubber buffers etc. complete |  |  |
| a | White plastic seat with lid. | Each | 2595.00 |
| b | Black plastic seat with lid. | Each | 2595.00 |
| 15619 |  | Providing and fixing G.I. Chain with G.I. pull. | Each | 205.00 |
| 15620 |  | Providing and fixing G. I. Inlet connection for flush pipes connecting with W. C. pan. | Each | 99.00 |
| 15621 |  | Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430 x 260 x 350 mm and 340 x 430 x 265 mm respectively. | Each | 2982.00 |
| 15622 |  | Providing and & fixing white vitreous china wash basin including making all connection but excluding the cost of fittings : |  |  |
| a | Flat back wash basin of size 630 x 450 mm | Each | 3915.00 |
| b | Flat back wash basin of size 550 x 400 mm | Each | 2577.00 |
| c | Angle back wash basin of size 600 x 480 mm | Each | 1084.00 |
| 15623 |  | Providing & fixing kitchen sink including making all connections excluding cost of fittings. |  |  |
| a | White vitreous china sink size 600 x 450 x 200 mm | Each | 3173.00 |
| b | White vitresous china sink size 600 x 450 x 250 mm | Each | 3346.00 |
| 15624 |  | Providing and fixing C.P. brass chain and rubber plug complete for sink of wash basin. | Each | 352.00 |
| 15625 |  | Providing and fixing rubber plug for sink or wash basin | Each | 260.00 |
| 15626 |  | Providing and fixing C. P. brass waste for wash basins and sink |  |  |
| a | 32 mm dia | Each | 345.00 |
| b | 40 mm dia. | Each | 1584.00 |
| 15627 |  | Providing & fixing M.I. fisher union for wash basin and sinks : |  |  |
| a | 32 mm dia . | Each | 218.00 |
| b | 40 mm dia | Each | 255.00 |
| 15628 |  | Providing and fixing C.P. bras or M. I. Trap for wash basin and sinks: |  |  |
| a | 32 mm dia | Each | 1560.00 |
| b | 40 mm dia | Each | 1642.00 |
| 15629 |  | Providing & fixing (4’) 100 mm sand cast iron grating for gully floor or nahni trap. | Each | 49.00 |
| 15630 |  | Providing and fixing in position 32 mm diameter glavanised steel telescopic flush pipe complete including and cutting and making good the walls and floors. | Each | 785.00 |
| 15631 |  | Providing & Fixing In Position 25 mm diameter mosquito proof coupling of approved municipal design. | Each | 637.00 |
| 15632 |  | Providing and fixing 600 x 450 mm bevelled edge mirror of superior glass (of approved quality) complete with 6 mm thick asbestos sheet ground fixed to wooden cleats with C. P. brass screws and washers. | Each | 2130.00 |
| 15633 |  | Providing & fixing 600 x 120 mm glass shelf with C. P. brass brackets and guard rail complete fixed to wooden cleats with C. P. brass screws. | Each | 653.00 |
| 15634 |  | Providing & fixing c.p. brass towel rail complete with C.P. brass brackets fixed to wooden cleats with C. P. brass screws |  |  |
| a | 750 x 20 mm size | Each | 2368.00 |
| b | 600 x 20 mm size | Each | 2122.00 |
| 15635 |  | Providing and fixing toilet paper holder : |  |  |
| a | C.P. brass | Each | 1385.00 |
| b | Polished wooden | Each | 200.00 |
| 15636 |  | Providing & fixing liquid soap container with C. P. brass lid and brackets fixed to wooden cleats with C. P. brass screws |  |  |
| a | Glass container | Each | 2061.00 |
| b | Plastic container | Each | 1921.00 |
| 15637 |  | Providing & fixing soap dish chromium plated with brackets fixed to wooden cleats with CP brass screw | Each | 873.00 |
| 15638 |  | Providing & fixing sand cast iorn spun soil, waste and vent pipes. |  |  |
| a | 100 mm dia | Metre | 794.00 |
| b | 75 mm dia | Metre | 694.00 |
| c | 50 mm dia | Metre | 566.00 |
| 15639 |  | Providing & fixing M.S. holder bat clamps of approved design to sand cast iron cast iron spun pipe embedded in and including cement concrete blocks 10 x 10 x 10 cm of 1: 2:4 mix (1 cement ;2 coarse sand :4 graded stone aggregate 20 mm nominal size) including cost of cutting holes and making good the walls etc. |  |  |
| a | For 100 mm dia pipe | Each | 126.00 |
| b | For 75 mm dia pipe | Each | 118.00 |
| c | For 50 mm dia pipe | Each | 115.00 |
| 15640 |  | Providing & fixing sand cast iron bend of required degree with access door, insertion rubber washer 3mm thick blots & nuts complete. |  |  |
| a | 100mm | Each | 598.00 |
| b | 75mm | Each | 511.00 |
| c | 50 mm | Each | 375.00 |
| 15641 |  | Providing and fixing sand cast iron plain bend of required degree: |  |  |
| a | 100mm | Each | 554.00 |
| b | 75mm | Each | 530.00 |
| c | 50 mm | Each | 441.00 |
| 15642 |  | Providing and fixing sand cast iron heel rest sanitary bend : |  |  |
| a | 100mm | Each | 548.00 |
| b | 75mm | Each | 487.00 |
| c | 50 mm | Each | 394.00 |
| 15643 |  | Providing and fixing sand cast iron double equal junction of required degree with access door, insertion rubber washer 3 mm thick bolts and nuts complete: |  |  |
| a | 100 x 100 x 100 x 100mm | Each | 1131.00 |
| b | 75 x 75 x 75 x 75mm | Each | 852.00 |
| c | 50 x 50 x 50 x 50 mm | Each | 719.00 |
| 15644 |  | Providing and fixing sand cast iron double equal plain junction of required degree : |  |  |
| a | 100 x 100 x 100 x 100mm | Each | 1009.00 |
| b | 75 x 75 x 75 x 75msssm | Each | 798.00 |
| c | 50 x 50 x 50 x 50 mm | Each | 589.00 |
| 15645 |  | Providing and fixing sand cast iron single equal junction of required degree: |  |  |
| a | 100 x 100 x 100 mm | Each | 705.00 |
| b | 75 x 75 x 75 mm | Each | 524.00 |
| c | 50 x 50 x 50 mm | Each | 521.00 |
| 15646 |  | Providing and fixing sand cast iron single equal junction of required degree with access door, insertion rubber washer 3 mm thick bolts and nuts complete: |  |  |
| a | 100 x 100 x 100 mm | Each | 831.00 |
| b | 75 x 75 x 75 mm | Each | 798.00 |
| c | 50 x 50 x 50 mm | Each | 575.00 |
| 15647 |  | Providing and fixing sand cast iron double unequal junction of required degree with access door, insertion rubber washer 3 mm thick bolts and nuts complete: |  |  |
| a | 100 x 100x 75 x 75 mm | Each | 646.00 |
| b | 100 x 100 x 50 x 50mm | Each | 543.00 |
| c | 75 x 75 x 50 x 50 mm | Each | 426.00 |
| 15648 |  | Providing and fixing sand cast iron double unequal junction of required degree : |  |  |
| a | 100 x 100 x 75 x 75mm | Each | 635.00 |
| b | 100 x 100 x 50 x 50mm | Each | 531.00 |
| c | 75 x 75 x 50 x 50 mm | Each | 446.00 |
| 15649 |  | Providing and fixing sand cast iron single unequal junction of required degree with access door insertion rubber washer 3 mm thick bolts and nuts complete: |  |  |
| a | 150 x 150 x 100 mm | Each | 909.00 |
| b | 100 x 100 x 75mm | Each | 770.00 |
| c | 100 x 100 x 50 mm | Each | 628.00 |
| 15650 |  | Providing and fixing sand cast iron single unequal junction of required degree : |  |  |
| a | 150 x 150 x 100 mm | Each | 840.00 |
| b | 100 x 100 x 50mm | Each | 737.00 |
| c | 75 x 75 x 50 mm | Each | 530.00 |
| 15651 |  | Providing and fixing sand cast iron double equal plain invert branch of required degree : |  |  |
| a | 100 x 100 x 100 x 100 mm | Each | 1009.00 |
| b | 75 x 75 x 75 x 75 mm | Each | 798.00 |
| c | 50x 50 x 50x 50 mm | Each | 589.00 |
| 15652 |  | Providing and fixing sand cast iron single equal invert of required degree : |  |  |
| a | 100 x 100 x 100 mm | Each | 668.00 |
| b | 75 x 75 x 75 mm | Each | 481.00 |
| c | 50x 50 x 50 mm | Each | 360.00 |
| 15653 |  | Providing and fixing sand cast iron double unequal plain invert of required degree : |  |  |
| a | 100 x 100 x 75 x 75 mm | Each | 842.00 |
| b | 100 x 100 x 50 x 50 mm | Each | 803.00 |
| c | 75x 75 x 50x 50 mm | Each | 694.00 |
| 15654 |  | Providing and fixing sand cast iron single unequal invert branch of required degree : |  |  |
| a | 100 x 100 x 75 mm | Each | 1009.00 |
| b | 100x 100 x 50 mm | Each | 687.00 |
| c | 75x 75 x 50 mm | Each | 603.00 |
| 15655 |  | Providing and fixing sand cast iron off-set: |  |  |
| A 1) | 100 mm off-set: 1) with 75 mm projection | Each | 449.00 |
| 2) | With 100 mm projection. | Each | 535.00 |
| 3) | With 150 mm projection. | Each | 551.00 |
| 4) | With 250 mm projection. | Each | 744.00 |
| B 1) | 75 mm off-set: 1) with 75 mm projection | Each | 377.00 |
| 2) | With 100 mm projection. | Each | 455.00 |
| 3) | With 150 mm projection. | Each | 482.00 |
| 4) | With 250 mm projection. | Each | 659.00 |
| C 1) | 50 mm off-set: 1) with 50 mm projection | Each | 371.00 |
| 2) | With 100 mm projection. | Each | 413.00 |
| 3) | With 150 mm projection. | Each | 455.00 |
| 4) | With 250 mm projection. | Each | 526.00 |
| 15656 |  | Providing and fixing sand cast iron door piece, insertion rubber washer 3mm thick bolts and nuts complete : |  |  |
| a | 100 mm | Each | 143.00 |
| b | 75 mm | Each | 113.00 |
| c | 50 mm | Each | 89.00 |
| 15657 |  | Providing and fixing sand cast iron terminal guard: |  |  |
| a | 100 mm | Each | 438.00 |
| b | 75 mm | Each | 351.00 |
| c | 50 mm | Each | 328.00 |
| 15658 |  | Providing and fixing sand cast iron collar: |  |  |
| a | 100 mm | Each | 419.00 |
| b | 75 mm | Each | 309.00 |
| c | 50 mm | Each | 282.00 |
| 15659 |  | Providing and fixing sand cast iron pass over pipe: |  |  |
| a | 100 mm | Each | 994.00 |
| b | 75 mm | Each | 858.00 |
| c | 50 mm | Each | 825.00 |
| 15660 |  | Providing lead caulked joint to sand cast iron , cast iron spun pies and fittings of dia : |  |  |
| a | 100 mm | Each | 209.00 |
| b | 75 mm | Each | 180.00 |
| c | 50 mm | Each | 150.00 |
| 15661 |  | Providing and fixing m.s. stays and clamps for sand cast iron spun pipes of dia: |  |  |
| a | 100 mm | Each | 112.00 |
| b | 75 mm | Each | 117.00 |
| c | 50 mm | Each | 84.00 |
| 15662 |  | Providing and fixing sand cast iron trap of self cleaning design with sand cast iron screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors : |  |  |
| a | 100 mm inlet and 100 mm outlet. | Each | 1387.00 |
| b | 100 mm inlet and 75 mm outlet. | Each | 1367.00 |
| c | 100 mm inlet and 50 mm outlet. | Each | 1028.00 |
| 15663 |  | Cutting chase in brick masonry walls for fixing 100 mm diameter sand cast iron pipes & making good the same with brick work in cement 1:3 (1 cement :3 fine sand) | Metre | 548.00 |
| 15664 |  | Cutting chase in brick masonry walls for fixing 50 mm diameter sand cast iron pipes & making good the same with brick work in cement 1:3 (1 cement :3 fine sand). | Metre | 387.00 |
| 15665 |  | Painting C.I. cistern with bit mastic or any other anti corrosive paint inside & white paint over a coat of ready mixed primer (of approved quality) on the outside surface of the cistern flush pipe, other fitting, etc complete for new work . | Each | 587.00 |
| 15666 |  | Painting sand cast iron, cast iron spun soil waste, vent pipe sand fitting with paint of any colour such as chocolate, grey of buff etc. over a coat of primer (of approved quality ) for new work . |  |  |
| a | 50 mm diameter pipe | Metre | 36.00 |
| b | 100 mm diameter pipe. | Metre | 65.00 |
| 15667 |  | Repainting sand cast iron cast iron spun soil waste, vent pipes and fittings with paint of any colour such chocolate, grey or buff etc. |  |  |
| a | 50 mm diameter pipe | Metre | 20.00 |
| b | 100 mm diameter pipe. | Metre | 34.00 |
| 15668 |  | Re-painting bath tubs 170 cm. Long with enamel paint. | Metre | 575.00 |
| 15669 |  | Providing and fixing white vitreous china type water closet squatting pan (european type w.c. pan) with flush valve Nelson/ similar) fully chromium plated with stop cock wall flanges flush pipe or elbow and vaccu.m breaker coupling etc. including cutting making good the walls and floors where required. | Each | 4468.00 |
| 15670 |  | Providing and fixing white vitreous china water closet squatting pan (Indian type w.c. pan) with flush valve Nelson/ similar) fully chromium plated with stop cock wall flanges flush pipe or elbow and vaccu.m breaker coupling etc. including cutting making good the walls and floors where required. |  |  |
|  |  | Long pan squatting w.c. pan. | Each | 6134.00 |
| 15671 |  | Providing and fixing flush valve (nelson or mimilar) fully chrominium plated with stop cock wall flange flush pipe or elbow and vaccu.m breaker coupling etc. complete : |  |  |
|  |  | For Indian or european W.C. | Each | 2303.00 |
| 15672 |  | Providing & fixing G.I. pipes complete with G.I. fittings & clamps, including cutting and making good the walls etc. (Internal Work) |  |  |
| a | 15 mm nominal bore | Metre | 251.00 |
| b | 20 mm nominal bore | Metre | 280.00 |
| c | 25 mm nominal bore | Metre | 310.00 |
| d | 32 mm nominal bore | Metre | 382.00 |
| e | 40 mm nominal bore | Metre | 452.00 |
| f | 50 mm nominal bore | Metre | 559.00 |
| 15673 |  | Providing & fixing G.I. pipes complete with G.I. fittings including trenching & re-filling etc. (external work). |  |  |
| a | 15 mm nominal bore | Metre | 210.00 |
| b | 20 mm nominal bore | Metre | 228.00 |
| c | 25 mm nominal bore | Metre | 266.00 |
| d | 32 mm nominal bore | Metre | 304.00 |
| e | 40 mm nominal bore | Metre | 342.00 |
| f | 50 mm nominal bore | Metre | 393.00 |
| g | 80 mm nominal bore | Metre | 623.00 |
| 15674 |  | Making connection of G. I. Distribution branch with G. I. Main 25 mm to 40 mm nominal bore by providing and fixing tee, including cutting and treading the pipe etc. complete | Each | 712.00 |
| 15675 |  | Making connection of G. I. Distribution branch with G. I. Main 50 mm to 80 mm nominal bore by providing and fixing tee including treading the pipe etc. complete | Each | 840.00 |
| 15676 |  | Fixing water meter & stop cock in G. I. Pipe line including cutting & treading the pipe and making long screw etc. complete (cost of water meter and stop cock to be paid separately) | Each | 465.00 |
| 15677 |  | Providing and fixing brass bib cock (heavy) of approved quality : |  |  |
| a | 15 mm nominal bore | Each | 516.00 |
| b | 20 mm nominal bore | Each | 763.00 |
| c | 25 mm nominal bore . | Each | 323.00 |
| 15678 |  | Providing and fixing brass stop cock (heavy) of approved quality : |  |  |
| a | 15 mm nominal bore | Each | 516.00 |
| b | 20 mm nominal bore | Each | 680.00 |
| c | 25 mm nominal bore . | Each | 495.00 |
| d | 32 mm nominal bore | Each | 764.00 |
| e | 40 mm nominal bore | Each | 1211.00 |
| f | 50 mm nominal bore . | Each | 1390.00 |
| 15679 |  | Providing and fixing brass full way valve (heavy) duty with wheel of approved quality : |  |  |
| a | 15 mm nominal bore | Each | 381.00 |
| b | 20 mm nominal bore | Each | 499.00 |
| c | 25 mm nominal bore . | Each | 675.00 |
| d | 32 mm nominal bore | Each | 909.00 |
| e | 40 mm nominal bore | Each | 1408.00 |
| f | 50 mm nominal bore . | Each | 1701.00 |
| g | 65 mm nominal bore . | Each | 7449.00 |
| h | 80 mm nominal bore . | Each | 12670.00 |
| 15680 |  | Providing and fixing ball valve (brass) of approved quality : |  |  |
| **a** | High pressure with P.V.C. floats: |  |  |
| 1 | 15 mm nominal bore | Each | 264.00 |
| 2 | 20 mm nominal bore | Each | 305.00 |
| 3 | 25mm nominal bore | Each | 364.00 |
| **b** | Low pressure with copper. floats : |  |  |
| 1 | 15 mm nominal bore | Each | 1408.00 |
| 2 | 20 mm nominal bore | Each | 1566.00 |
| 3 | 25mm nominal bore | Each | 4692.00 |
| **c** | High or low pressure with plastic floats: |  |  |
| 1 | 15 mm nominal bore | Each | 391.00 |
| 2 | 20 mm nominal bore | Each | 413.00 |
| 3 | 25mm nominal bore | Each | 459.00 |
| 15681 |  | Providing and fixing non-return valve of approved quality : |  |  |
| a | 25 mm nominal bore | Each | 1290.00 |
| b | 32 mm nominal bore | Each | 1807.00 |
| c | 40 mm nominal bore | Each | 2100.00 |
| d | 50 mm nominal bore | Each | 3074.00 |
| e | 65mm nominal bore | Each | 6241.00 |
| f | 80 mm nominal bore | Each | 10247.00 |
| 15682 |  | Providing and fixing brass ferrule heavy C.I. mouth cover including boring tapping the main: |  |  |
| a | 15 mm nominal bore | Each | 1241.00 |
| b | 20 mm nominal bore | Each | 1953.00 |
| c | 25 mm nominal bore . | Each | 2581.00 |
| 15683 |  | Providing and fixing P.V.C. connection pipe with brass unions 15 mm nominal bore: |  |  |
| a | 30 cm (12”) length . | Each | 211.00 |
| b | 37.5 cm (15”) length . | Each | 223.00 |
| c | 45 cm (18”) length . | Each | 235.00 |
| 15684 |  | Providing and fixing C.P. brass shower rose with 15 or 20 mm. Inlet: |  |  |
| a | 100 mm diameter. | Each | 361.00 |
| b | 150 mm diameter. | Each | 391.00 |
| 15685 |  | Providing and fixing normal gauge polythene pipes of approved quality complete with special flange compression type fitting (of approved make) including trenching ad refilling etc (external work) (high density): |  |  |
| a | 25 mm nominal bore. | Metre | 127.00 |
| b | 32 mm nominal bore | Metre | 158.00 |
| c | 40 mm nominal bore | Metre | 158.00 |
| d | 50 mm nominal bore | Metre | 179.00 |
| 15686 |  | Providing and fixing normal gauge ploythene pipes of approved quality complete with special flange compression type fitting of approved quality complete with special flange compression type fitting (of approved make including trenching and refilling etc. (external work), low density: |  |  |
| a | 63 mm dia O.D. | Metre | 293.00 |
| b | 75 mm dia O.D. | Metre | 392.00 |
| c | 90 mm dia O.D. | Metre | 431.00 |
| 15687 |  | Providing and placing on terrace roof of floor two (1st flor roof single piece rotational moulded polythene water storage tank having I S I mark and conforming to I S 12701; 1996. |  |  |
| a | 200 lit .capacity | Each | 2452.00 |
| b | 500 lit. capacity | Each | 5044.00 |
| c | 1000 lit. capacity | Each | 9420.00 |
| 15688 |  | Extra for placing polythene tank on roof of floor three (2nd floor roof) |  |  |
| a | 200 lit .capacity | Each | 281.00 |
| b | 500 lit. capacity | Each | 468.00 |
| c | 1000 lit. capacity | Each | 655.00 |
| 15689 |  | Providing, laying and jointing glazed stone wear pipes grade “a” with stiff mixture of cement mortar in the proportion of 1:1 (1 cement :1 fine sand) including testing of joints etc. complete : |  |  |
| a | 100 mm diameter. | Metre | 259.00 |
| b | 150 mm diameter. | Metre | 429.00 |
| c | 230 mm diameter. | Metre | 649.00 |
| 15690 |  | Providing and laying cement concrete 1:5:10 (1 cement :5 coarse sand :10 graded stone, aggregate 40 mm nominal size) alround S.W. pipes including bed concrete 15 cm thick as per standard design : |  |  |
| a | 100 mm diameter. | Metre | 1011.00 |
| b | 150 mm diameter. | Metre | 1084.00 |
| c | 230 mm diameter. | Metre | 1344.00 |
| 15691 |  | Providing and laying cement concrete 1:5:10 (1 cement :5 fine sand :10 graded stone aggregate 40 mm nominal size upto haunches of s.w. pipes including bed concrete 15cm thick as per standard design : |  |  |
| a | 100 mm diameter S.W. pipe. | Metre | 678.00 |
| b | 150 mm diameter S.W. pipe | Metre | 745.00 |
| c | 230 mm diameter. S.W. Pipe | Metre | 945.00 |
| 15692 |  | Providing and fixing square-mouth S.W. gully trap grade ‘A’ complete with c.i. grating brick masonry chamber and water tight C.I. cover with frame of 300 x 300 mm size (inside the weight of cover to be not less than 4.53 kg). And frame to be not less than 2.72 kg as per standard design : |  |  |
| a | 100 x 100 mm size P type | Each | 3037.00 |
| b | 150 x 100 mm size –P or S type | Each | 2977.00 |
| 15693 |  | Dismateling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50 m lead and disposal of unserviceable materials into municipal dumps: |  |  |
| a | 100 mm diameter . | Metre | 40.00 |
| b | 150 mm diameter | Metre | 42.00 |
| c | 230 mm diameter | Metre | 48.00 |
| d | 300 mm diameter | Metre | 52.00 |
| 15694 |  | Constructing brick masonry manhole or inspection chamber with second class bricks in cement mortar 1:5 (1 cement :5 fine sand) R.C.C. top slab with 1:2:4 mix (1 cement: 2 coarse sand ;4 graded stone aggregate 20mm nominal size foundation concrete 1:2:4 mix (1 cement ;2 coarse sand :4 graded stone agrregate 40mm nominal size) inside plastering 12 mm thick with cement mortar 1:3 (1 cement :3 coarse sand) finished with a floating coat of neat cemetn and making channels in cement concrete 1:2:4 mix (1 cement :2 coarse sand :4 graded stone aggregate 20 mm nominal size) neatly finished complete as per standard design. |  |  |
| a | Inside size 90 x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455 x610mm internal dimensions total weight of cover ad frame to be not less than 38 kg. (weight of cover 23 kg. ) | Each | 12768.00 |
| b | Inside size 90 x80 cm and 60 cm deep including C.I. cover with frame (light duty) 455 x 610 mm internal dimensions total weight of cover and frame to be not less than 38 kg. (weight of cover 23 kg.) | Each | 15485.00 |
| c | Inside size 1.2m x 90 cm and 90cm deep including C.I. cover with frame (medium duty) 500 mm internal diameter total weight of cover and frame to be not less than 116 kg. (weight of cover 58 kg). | Each | 28576.00 |
| d | Inside size 60 x 60cm and 60cm deep including C.I. cover with frame (light duty) 455x610mm internal diameter total weight of cover and frame to be not less than 38 kg. (weight of cover 23 kg). | Each | 10768.00 |
| 15695 |  | Constructing brick masonry manhole or inspection chamber with second class bricks in cement mortar 1:5 (1 cement :5 fine sand) R.C.C. top slab with 1: 1 1/2:3 mix (1 cement: 1 1/2 coarse sand ;3 graded stone aggregate 20mm nominal size foundation concrete 1:1 1/2:3 mix (1 cemet ;1 1/2 coarse sand :8 graded stone agrregate 20mm nominal size) inside plastering 12 mm thick with cement mortar 1:3 (1 cement :3 coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 mix (1 cement :2 coarse sand :4 graded stone aggregate 20 mm nominal size) neatly finished complete as per standard design. |  |  |
| a | Inside size 90 x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455 x610mm internal dimensions total weight of cover ad frame to be not less than 38 kg. (weight of cover 23 kg. ) | Each | 10316.00 |
| b | Inside size 90 x80 cm and 60 cm deep including C.I. cover with frame (light duty) 455 x 610 mm internal dimensions total weight of cover and frame to be not less than 38 kg. (weight of cover 23 kg.) | Each | 12897.00 |
| c | Inside size 1.2m x 90 cm and 90cm deep including C.I. cover with frame (medium duty) 500 mm internal diameter total weight of cover and frame to be not less than 116 kg. (weight of cover 58 kg). | Each | 25243.00 |
| d | Inside size 60 x 60cm and 60cm deep including C.I. cover with frame (light duty) 455x610mm internal diameter total weight of cover and frame to be not less than 38 kg. (weight of cover 23 kg). | Each | 9297.00 |
| 15696 |  | Constructing brick masonry manhole or inspection chamber with second class bricks in cement mortar 1:5 (1 cement :5 fine sand) R.C.C. top slab with grade M 25 mix design with coarse sand and graded granitic or basaltic stone aggregate as per mix design requirements foundation concrete M 25 mix design with coarse sand graded granitic or basaltic stone aggregate as per mix design requirements inside plastering 12 mm thick with cement mortar 1:3 (1 cement :3 coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 mix (1 cement :2 coarse sand :4 graded stone aggregate 20 mm nominal size) neatly finished complete as per standard design. |  |  |
| a | Inside size 90 x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455 x610mm internal dimensions total weight of cover ad frame to be not less than 38 kg. (weight of cover 23 kg. ) | Each | 10413.00 |
| b | Inside size 90 x80 cm and 60 cm deep including C.I. cover with frame (light duty) 455 x 610 mm internal dimensions total weight of cover and frame to be not less than 38 kg. (weight of cover 23 kg.) | Each | 13021.00 |
| c | Inside size 1.2m x 90 cm and 90cm deep including C.I. cover with frame (medium duty) 500 mm internal diameter total weight of cover and frame to be not less than 116 kg. (weight of cover 58 kg). | Each | 25377.00 |
| d | Inside size 60 x 60cm and 60cm deep including C.I. cover with frame (light duty) 455x610mm internal diameter total weight of cover and frame to be not less than 38 kg. (weight of cover 23 kg). | Each | 9356.00 |
| 15697 |  | Extra for depth for manholes : a) size 90 x 80 cm | Metre | 6983.00 |
| 15698 |  | Extra for depth for manholes : a) size 1.2 x 90 cm | Metre | 8357.00 |
| 15699 |  | Providing M.S. footrests including fixing in manholes with 20 x 20 x 10 cm cement concrete block 1:3:6 (1 cement :3 coarse sand :6 graded stone aggregate 20 mm nominal size) as per standard design : |  |  |
| a | With 20 x 20 mm square or round bar | Each | 424.00 |
| 15700 |  | Replacement of M.S. foot rests in manholes including dismantling concrete blocks and fixing with 20 cm x 20 cm x 10 cm cement concretes including 1:3:6 (cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size): |  |  |
| a | With 20mm x 20 mm square of round bar | Each | 407.00 |
| 15701 |  | Supplying and fixing C.I. cover without frame for manholes: |  |  |
| a | 445x610 mm rectangular C.I. cover (light duty) weight of cover to be not less than 23 kg. | Each | 4503.00 |
| b | 500 mm dia C. I. Cover (medium duty) the weight of the cover to be not less than 58 kg. | Each | 13289.00 |
| 15702 |  | Making connection of drain or sewer line with existing manholes including braking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement and making necessary channels for the drain etc. complete: |  |  |
| a | For pipe 100 to 150 mm dia | Each | 222.00 |
| b | For pipe 250 to 300 mm dia | Each | 863.00 |
| 15703 |  | Making chases upto 7.5x7.5 cm in walls including making good after housing G.I. pipe etc. | Metre | 103.00 |
| 15704 |  | Making soak pit. 2.5 m dia 3 m deep with 45x45 cm dry brick honey comb shaft and S.W. drain pipe 100 mm diameter, 1.8 m long complete filled with laterite stone aggregate 125 to 180 mm surrounded by laterite stone aggregate of 40 mm and down gauge as per standard design. | Each | 36210.00 |
| 15705 |  | Constructing soak pit 1.20m x 1.20m x1.20m filled with laterite stone aggregate 125 to 180 mm including S.W. drain pipe 100 mm diameter and 1.2m. long complete as per standard design. : | Each | 4725.00 |
| 15706 |  | Providing and fixing standard sand cast iron intercepting tap inside interception chamber (to be paid separately) including jointing with stiff mixture of cement mortar 1:1 (1 cement 1 fine sand) as directed by engineer-in-charge: |  |  |
| a | For 100 mm dia pipe. | Each | 829.00 |
| b | For 150 mm dia pipe | Each | 914.00 |
| 15707 |  | Providing and fixing rigid PVC S.W.R. (soil, waste & rain water drainage pipes of approved including lubricant etc. complete (single/double) socketed: |  |  |
| a | 110 mm dia | Metre | 295.00 |
| b | 75 mm dia | Metre | 157.00 |
| 15708 |  | Providing and fixing rigid PVC bend of required degree (of approved make) for S.W.R. drainage pipes of approved including lubricating. |  |  |
| a | 110 mm dia | Each | 445.00 |
| b | 75 mm dia | Each | 214.00 |
| 15709 |  | Providing and fixing rigid PVC bend (approved make ) for S.W.R. pipes including lubricating etc complete bend with door : |  |  |
| a | 100 mm dia | Each | 215.00 |
| b | 75 mm dia | Each | 150.00 |
| 15710 |  | Providing and fixing single tee of rigid PVC (approved make) for S.W.R. pipes including lubricating etc. complete, without door: |  |  |
| a | 110 mm dia. | Each | 531.00 |
| b | 75 mm dia. | Each | 250.00 |
| 15711 |  | Providing and fixing single Tee of rigid PVC (approved make ) for S.W.R. pipes including lubricating etc complete, with door : |  |  |
| a | 110 mm dia | Each | 571.00 |
| b | 75 mm dia | Each | 260.00 |
| 15712 |  | Providing and fixing single “Y” of rigid PVC (approved make ) for S.W.R. pipes including lubricating etc complete, without door : |  |  |
| a | 110 mm dia | Each | 175.00 |
| b | 75 mm dia | Each | 115.00 |
| 15713 |  | Providing and fixing single “Y” of rigid PVC (approved make ) for S.W.R. pipes including lubricating etc complete, with door : |  |  |
| a | 110 mm dia | Each | 197.00 |
| b | 75 mm dia | Each | 127.00 |
| 15714 |  | Providing and fixing double “Y” of rigid PVC (approved make ) for S.W.R. pipes including lubricating etc complete, without door : |  |  |
| a | 110 mm dia | Each | 524.00 |
| b | 75 mm dia | Each | 327.00 |
| 15715 |  | Providing and fixing single “Y” of rigid PVC (approved make ) for S.W.R. pipes including lubricating etc complete, with door : |  |  |
| a | 110 mm dia | Each | 608.00 |
| b | 75 mm dia | Each | 386.00 |
| 15716 |  | Providing and fixing nahani trap of rigid PVC (approved make ) for S.W.R. pipes including lubricating etc complete, without door : |  |  |
| a | 110 mm dia | Each | 170.00 |
| b | 75 mm dia | Each | 118.00 |
| 15717 |  | Providing and fixing U.P.V.C. pipe clips (approved make ) for S.W.R. pipes : |  |  |
| a | 110 mm dia | Each | 40.00 |
| b | 75 mm dia | Each | 31.00 |
| 15718 |  | Providing and fixing R.P.V.C. vent cowl: |  |  |
| a | 110 mm dia | Each | 72.00 |
| b | 75 mm dia | Each | 63.00 |
| 15719 |  | Providing and fixing centrifugally cast iron confirming to IS 3989 / 84 soil waste and vent pipes NECO brand or equivalent. |  |  |
| a | 75 mm dia. | Metre | 755.00 |
| b | 100 mm dia. | Metre | 889.00 |
| c | 150 mm dia. | Metre | 1543.00 |
| 15720 |  | Providing and fixing centrifugally cast iron bend confirming to IS 3989 / 84 plain of require degree. |  |  |
| a | 75 mm dia. | Each | 387.00 |
| b | 100 mm dia. | Each | 483.00 |
| c | 150 mm dia. | Each | 942.00 |
| 15721 |  | Providing and fixing centrifugally cast iron confirming to IS 3989 / 84 bend of require degree with access door insertion rubber 3 mm thick bolts and nuts etc.. |  |  |
| a | 75 mm dia. | Each | 469.00 |
| b | 100 mm dia. | Each | 547.00 |
| c | 150 mm dia. | Each | 638.00 |
| 15722 |  | Providing and fixing centrifugally cast iron confirming to IS 3989 / 84 heel rest sanitary bend. |  |  |
| a | 75 mm dia. | Each | 281.00 |
| b | 100 mm dia. | Each | 305.00 |
| c | 150 mm dia. | Each | 548.00 |
| 15723 |  | Providing and fixing centrifugally cast iron confirming to IS 3989 / 84 single equal plain junction of required degree. |  |  |
| a | 75 x 75 x 75 mm | Each | 460.00 |
| b | 100 x 100 x 100 mm | Each | 560.00 |
| c | 150 x 150 x 150 mm. | Each | 757.00 |
| 15724 |  | Providing and fixing centrifugally cast iron confirming to IS 3989 / 84 single equal plain junction of required degree with access door insertion rubber 3 mm. thick with bolts. |  |  |
| a | 75 x 75 x 75 mm | Each | 616.00 |
| b | 100 x 100 x 100 mm | Each | 858.00 |
| c | 150 x 150 x 150 mm. | Each | 1830.00 |
| 15725 |  | Providing and fixing centrifugally cast iron confirming to IS 3989 / 84 single equal plain invert (Y) branch of required degree. |  |  |
| a | 75 x 75 x 75 mm | Each | 484.00 |
| b | 100 x 100 x 100 mm | Each | 646.00 |
| c | 150 x 150 x 150 mm. | Each | 2575.00 |
| 15726 |  | Providing and fixing centrifugally cast iron confirming to IS 3989 / 84 double equal plain junction of required degree. |  |  |
| a | 75 x 75 x 75 x 75mm | Each | 713.00 |
| b | 100 x 100 x 100 x 100 mm | Each | 858.00 |
| c | 150 x 150 x 150 x 150 mm. | Each | 1195.00 |
| 15727 |  | Providing and fixing centrifugally cast iron confirming to IS 3989 / 84 double equal junction of required degree with access door insertion rubber washer 3 mm. thick, bolts and nuts complete. |  |  |
| a | 75 x 75 x 75 x 75mm | Each | 752.00 |
| b | 100 x 100 x 100 x 100 mm | Each | 917.00 |
| c | 150 x 150 x 150 x 150 mm. | Each | 1219.00 |
| 15728 |  | Providing and fixing centrifugally cast iron confirming to IS 3989 / 84 double equal plain invert (Y) branch of required degree. |  |  |
| a | 75 x 75 x 75 x 75 mm | Each | 364.00 |
| b | 100 x 100 x 100 x 100mm | Each | 645.00 |
| c | 150 x 150 x 150 x 150 mm. | Each | 587.00 |
| 15729 |  | Providing and fixing centrifugally cast iron conforming to IS 3989/84 collar. |  |  |
| a | 75 mm dia. | Each | 188.00 |
| b | 100 mm dia. | Each | 229.00 |
| c | 150 mm dia. | Each | 397.00 |
| 15730 |  | Providing and fixing centrifugally cast iron terminal guard conforming to IS 3989 / 84 |  |  |
| a | 75 mm dia. | Each | 211.00 |
| b | 100 mm dia. | Each | 216.00 |
| c | 150 mm dia. | Each | 380.00 |
| 15731 |  | Providing and fixing centrifugally cast iron conforming to IS 3989/84 offset. |  |  |
| a) i | 75 mm with 75 mm projection | Each | 237.00 |
| ii | 75 mm with 115 mm. projection | Each | 258.00 |
| iii | 75 mm with 150 mm projection | Each | 281.00 |
| b) i | 100 mm with 75 mm projection | Each | 281.00 |
| ii | 100 mm with 115 mm projection | Each | 289.00 |
| iii | 100 mm with 150 mm projection | Each | 358.00 |
| c) i | 150 mm with 75 mm projection | Each | 464.00 |
| ii | 150 mm with 115 mm projection | Each | 502.00 |
| iii | 150 mm with 150 mm projection | Each | 583.00 |
| 15732 |  | Providing and fixing centrifugally cast iron conforming to IS 3989/84 single unequal plain juction of required degree. |  |  |
| a | 100 x 100 x 50 mm | Each | 954.00 |
| b | 100 x 100 x 75 mm. | Each | 883.00 |
| c | 150 x 150 m 100 mm | Each | 2024.00 |
| 15733 |  | Providing and fixing centrifugally cast iorn conforming to IS 3989 / 84 single unequal plain invert branch of required degree. |  |  |
| a | 100 x 100 x 50 mm | Each | 429.00 |
| b | 100 x 100 x 75 mm. | Each | 497.00 |
| c | 150 x 150 m 100 mm | Each | 779.00 |
| 15734 |  | Providing and fixing centrifugally cast iorn conforming to IS 3989 / 84 single unequal invert branch with access door insertion rubber washer 3 mm thick with nuts bolts complete. |  |  |
| a | 100 x 100 x 50 mm | Each | 975.00 |
| b | 100 x 100 x 75 mm. | Each | 1233.00 |
| c | 150 x 150 m 100 mm | Each | 2189.00 |
| 15735 |  | Providing and fixing centrifugally cast iorn conforming to IS 3989 / 84 double unequal plan junction . bolts complete. |  |  |
| a | 75 X 75 X 50 x 50 mm | Each | 318.00 |
| b | 100 x 100 x 50 x 50 mm | Each | 375.00 |
| c | 100 x 100 x 75 x 75 mm | Each | 483.00 |
| d | 150 x 150 x 100 x 100 mm | Each | 799.00 |
| 15736 |  | Providing and fixing centrifugally cast iorn conforming to IS 3989 / 84 double unequal junction of required degree with access door insertion rubber washer 3 mm thick with nuts bolts complete. |  |  |
| b | 100 x 100 x 50 x 50 mm | Each | 1021.00 |
| c | 100 x 100 x 75 x 75 mm | Each | 1395.00 |
| d | 150 x 150 x 100 x 100 mm | Each | 2178.00 |
| 15738 |  | Providing and fixing NICKEL chrome plated copper alloy Fancy Pillar Cock rocket type Jaquar make or equivalent. Confirming to IS 8931;1993 |  |  |
| a | 15mm nominal bore | Each | 1525.00 |
| 15739 |  | Providing and fixing NICKEL chrome plated copper alloy Fancy BIB Cock Short Body Jaquar make or equivalent. Confirming to IS 8931;1993 |  |  |
| a | 15mm nominal bore | Each | 1290.00 |
| 15740 |  | Providing and fixing NICKEL chrome plated copper alloy Fancy long body bib cock with wall flance Jaquar make or equivalent. Confirming to IS 8931;1993 |  |  |
| a | 15mm nominal bore | Each | 1701.00 |
| 15741 |  | Providing and fixing NICKEL chrome plated copper alloy Fancy two way long body bib cock with wall flance Jaquar make or equivalent. Confirming to IS 8931;1993 |  |  |
| a | 15mm nominal bore | Each | 1543.00 |
| 15742 |  | Providing and fixing NICKEL chrome plated copper alloy Fancy concealed stop cock with sheet flance 20mm Jaquar make or equivalent. Confirming to IS 8931;1993 |  |  |
| a | 20mm nominal bore | Each | 1692.00 |
| 15743 |  | Providing and fixing NICKEL chrome plated copper alloy Fancy concealed stop cock with slinding flance 15 mm Jaquar make or equivalent. Confirming to IS 8931;1993 |  |  |
| a | 15mm nominal bore | Each | 1484.00 |
| 15744 |  | Providing and fixing NICKEL chrome plated copper alloy Fancy wall mixer with 115mm long bend pipe for connection to over head shower Jaquar make or equivalent. Confirming to IS 8931;1993 |  |  |
| a | Wall mixer with 115 mm long bend pipe for connection to over head shower. | Each | 5631.00 |
| 15745 |  | Providing and fixing NICKEL chrome plated copper alloy Fancy wall mixer with 3 IN 1 SYSTEM WITH 115MM long bend pipe for connection to over head shower Jaquar make or equivalent. Confirming to IS 8931;1993 | Each | 6701.00 |
| 15746 |  | Providing and fixing NICKEL chrome plated copper alloy Fancy wall mixer non telephonic shower system Jaquar make or equivalent. Confirming to IS 8931;1993 | Each | 4575.00 |
| 15747 |  | Providing and fixing NICKEL chrome plated copper alloy Fancy sink mixer with U shape swinging casted spout Jaquar make or equivalent. Confirming to IS 8931;1993 | Each | 3782.00 |
| 15748 |  | Providing and fixing NICKEL chrome plated copper alloy Fancy TELEPHONIC SHOWER 1.5M FLEXIBLE TUBE WITH SWINGING WALL HOOK Jaquar make or equivalent. Confirming to IS 8931;1993 | Each | 2698.00 |
| 15749 |  | Providing and fixing NICKEL chrome plated copper alloy Fancy BOTTLE TRAP ECONOMY TYPE 32MM Jaquar make or equivalent. Confirming to IS 8931;1993 | Each | 1444.00 |
| 15750 |  | Providing and fixing NICKEL chrome plated copper alloy Fancy waste coupling 32 mm with 190 mm long connection pipe wall flance Jaquar make or equivalent. Confirming to IS 8931;1993 | Each | 541.00 |
| 15751 |  | Providing and fixing chlorinated ployvinyl chloride (CPVC) pipes confirming to IS:15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipes with clamps at 1 mt. spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete as per direction of the Engineer-in-charge. Internal work exposed on wall (Medium duty SDR 13.5 pipe). |  |  |
| a | 15 mm outer dia CPVC pipe | Metre | 182.00 |
| b | 20 mm outer dia CPVC pipe | Metre | 231.00 |
| c | 25 mm outer dia CPVC pipe | Metre | 286.00 |
| d | 32 mm outer dia CPVC pipe | Metre | 407.00 |
| e | 40 mm outer dia CPVC pipe | Metre | 547.00 |
| f | 50 mm outer dia CPVC pipe | Metre | 797.00 |
| 15752 |  | Providing and fixing chlorinated ployvinyl chloride (CPVC) pipes confirming to IS:15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipes with clamps at 1 mt. spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete as per direction of the Engineer-in-charge. Concealed work (medium duty SDR 13.5 pipe) including cutting chases and making good the walls etc. |  |  |
| a | 15 mm dia nominal outer dia pipes. | Metre | 201.00 |
| b | 20 mm dia nominal outer dia pipes. | Metre | 255.00 |
| c | 25 mm dia nominal outer dia pipes. | Metre | 329.00 |
| d | 32 mm dia nominal outer dia pipes. | Metre | 472.00 |
| 15753 |  | Providing and fixing chlorinated polyvinyl chloride (CPVC) pipes confirming to IS: 15778 having thermal stability for hot and cold water supply includng all CPVC plain and brass threaded fittings CPVC solvent cement, trenching, refilling and testing of joints complete as per firectionof the Engineer in charge.(External work (heavy duty SDR 11 pipe) |  |  |
| a | 15 mm nominal outer dia pipes | Metre | 172.00 |
| b | 20 mm nominal outer dia pipes. | Metre | 210.00 |
| c | 25 mm nominal outer dia pipes. | Metre | 286.00 |
| d | 32 mm nominal outer dia pipes. | Metre | 417.00 |
| e | 40 mm nominal outer dia pipes. | Metre | 545.00 |
| f | 50 mm nominal outer dia pipes. | Metre | 851.00 |
| 15754 |  | Providing and fixing 3 layer PP-R (Polypropylene Random copolymer) pipes SDR 7.4 UV stabilized & anti-microbialfusion welded, having thermal stabilityfor hot & cold water supply including all PP-R plain & brass threaded polypropylene random fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes testing of joints complete as per direction of Engineer in charge. (Internal work - exposed on wall) |  |  |
| a | PN-16 Pipe, 16 mm OD | Metre | 94.00 |
| b | PN-16 Pipe, 20 mm OD | Metre | 107.00 |
| c | PN-16 Pipe, 25 mm OD | Metre | 150.00 |
| d | PN-16 Pipe, 32 mm OD | Metre | 223.00 |
| e | PN-16 Pipe, 40 mm OD | Metre | 344.00 |
| f | PN-16 Pipe, 50 mm OD | Metre | 510.00 |
| 15755 |  | Providing and fixing 3 layer PP-R (Polypropylene Random copolymer) pipes SDR 7.4 UV stabilized & anti-microbialfusion welded, having thermal stability for hot & cold water supply including all PP-R plain & brass threaded polypropylene random fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge. (Concealed work including cutting chases and making good the walls etc.) |  |  |
| a | PN-16 Pipe, 16 mm OD | Metre | 140.00 |
| b | PN-16 Pipe, 20 mm OD | Metre | 155.00 |
| c | PN-16 Pipe, 25 mm OD | Metre | 208.00 |
| d | PN-16 Pipe, 32 mm OD | Metre | 298.00 |
| 15756 |  | Providing and fixing 3 layer PP-R (Polypropylene Random copolymer) pipes SDR 7.4 UV stabilized & anti-microbialfusion welded, having thermal stability for hot & cold water supply including all PP-R plain & brass threaded polypropylene random fittings i/c trenching, refilling & testing of joints complete as per direction of Engineer in charge. (External work) |  |  |
| a | PN-16 Pipe, 16 mm OD | Metre | 89.00 |
| b | PN-16 Pipe, 20 mm OD | Metre | 100.00 |
| c | PN-16 Pipe, 25 mm OD | Metre | 142.00 |
| d | PN-16 Pipe, 32 mm OD | Metre | 208.00 |
| e | PN-16 Pipe, 40 mm OD | Metre | 319.00 |
| f | PN-16 Pipe, 50 mm OD | Metre | 485.00 |
| g | PN-16 Pipe, 63 mm OD | Metre | 768.00 |
| h | PN-16 Pipe, 75 mm OD | Metre | 1056.00 |
| i | PN-16 Pipe, 90 mm OD | Metre | 1596.00 |
| 15757 |  | Providing and fixing 3 layer PP-R (Polypropylene Random copolymer) pipes SDR 11 UV stabilized & anti-microbialfusion welded, having thermal stability for hot & cold water supply including all PP-R plain & brass threaded polypropylene random fittings i/c trenching, refilling & testing of joints complete as per direction of Engineer in charge. (External work) |  |  |
|  | PN-10 Pipe, 110 mm OD (SDR-11) | Metre | 1587.00 |
| 15758 |  | Providing and fixing 3 layer PP-R (Polypropylene Random copolymer) pipes SDR 11 UV stabilized & anti-microbialfusion welded, having thermal stability for hot & cold water supply including all PP-R plain & brass threaded polypropylene random fittings i/c trenching, refilling & testing of joints complete as per direction of Engineer in charge. (External work) |  |  |
|  | PN-16 Pipe, 160mm OD (SDR-11) | Metre | 3396.00 |
| 15759 |  | Proving and fixing white vitreous china Wall Hung type (European Type) water closet with seat and lid with C.I. brass hinges and rubber fittings with flush valve nelson/ similar fully chromium plated with stop cock, wall flanges, flush pipe or elbow and vaccum breaker coupling etc. including chair bracket/rag bolts, cutting & making good the walls and floors where required and concealed seat support - W.C. Pan with white plastic seat and lid | Each | 10687.00 |
| 15760 |  | Providing and fixing white vitreous china flat back Large lipped front urinal basin of 590x375x390mm size with Urinal Valve Auto closing system with built in control cock & wall flange with fittings, spreader, R.S. or C.I. brackets, standard size C.P. Brassl flush pipe and spreaders with C. P. brass unions & C. P. Brass clamps with waste fitting as per IS 2556, PVC trap with outlet grating and other couplings in CP Brass complete, including painting, fittings, cutting and making good the walls and floors where required. - Range of one urinal basin | Each | 10159.00 |
| 15761 |  | Providing & fixing bevelled edge mirror of superior glass (5mm thk) of approved Quality, shape & size complete with CP brass screws and washers, Cleats, CP studs etc Complete. | sq.m. | 3676.00 |
| 15762 |  | Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 including cutting of stone and making good the walls wherever required. Kitchen sink without drain board. with coupling & all accessories complete with choke stop strainer, Plain type having flat borders for correct sandwithing between the plaform top and bottom slabs complete. |  |  |
| a | Overall size 610mmx510mm (24"x20") bowl size 545mmx445mmx200mm (211/2"x 17 1/2"x 8") depth 200 mm. Glossy. 1.0mm thk, | Each | 7274.00 |
| b | Overall size 610mmx460mm (24"x18") bowl size 560mmx410mmx215mm (22"x16"x81/2") Glossy. 1.0mm thk, | Each | 7154.00 |
| c | Overall size 535mmx460mm (21"x18") bowl size 460mmx380mmx200mm (18"x 15"x 8") depth 200 mm. Glossy. 1.0mm thk. | Each | 6159.00 |
| 15763 |  | Providing and fixing Hand Shower (Health Faucet) with 8mm dia, ABS/brass body with double lock 1.00m long Flexible tube (Brass plated stainles steel flexible hose) and wall hook of approved quality confirming to IS standards. | Each | 1648.00 |
| 15764 |  | Providing and fixing NICKEL chrome plated copper alloy Fancy Two Way Bib Cock with single knob and wall flange conforming to IS 8931:1993 15mm nominal bore. | Each | 1747.00 |
| 15765 |  | Providing and fixing ASTM UPVC pipe, conforming to ASTM 2467 with ISO 14001, including all UPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step UPVC solvent cement and testing of joints complete as per direction of Engineer. Internal work - Exposed on wall. |  |  |
| I | SCH-40(blue)/(white) |  |  |
| a | 20mm outer dia. | Metre | 278.00 |
| b | 25mm outer dia. | Metre | 359.00 |
| c | 32mm outer dia. | Metre | 463.00 |
| d | 40mm outer dia. | Metre | 561.00 |
| e | 50mm outer dia. | Metre | 702.00 |
| f | 63mm outer dia. | Metre | 995.00 |
| g | 75mm outer dia. | Metre | 1282.00 |
| h | 90mm outer dia. | Metre | 1524.00 |
| i | 110mm outer dia. | Metre | 1765.00 |
| 15766 |  | Providing and fixing ASTM UPVC pipe, conforming to ASTM 2467 with ISO 14001, including all UPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step UPVC solvent cement and testing of joints complete as per direction of Engineer. Internal work - Exposed on wall. |  |  |
| I | SCH-80(blue)/(white) |  |  |
| a | 20mm outer dia. | Metre | 325.00 |
| b | 25mm outer dia. | Metre | 432.00 |
| c | 32mm outer dia. | Metre | 565.00 |
| d | 40mm outer dia. | Metre | 695.00 |
| e | 50mm outer dia. | Metre | 902.00 |
| f | 63mm outer dia. | Metre | 1297.00 |
| g | 75mm outer dia. | Metre | 1679.00 |
| h | 90mm outer dia. | Metre | 1999.00 |
| i | 110mm outer dia. | Metre | 2299.00 |
| 15767 |  | Providing and fixing ASTM UPVC pipe, conforming to ASTM 2467 with ISO 14001, including all UPVC plain & brass threaded fittings, including jointing of pipes & fittings with one step UPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer. External work. |  |  |
| I | SCH-40(blue)/(white) |  |  |
| a | 20mm outer dia. | Metre | 248.00 |
| b | 25mm outer dia. | Metre | 335.00 |
| c | 32mm outer dia. | Metre | 424.00 |
| d | 40mm outer dia. | Metre | 494.00 |
| e | 50mm outer dia. | Metre | 636.00 |
| f | 63mm outer dia. | Metre | 949.00 |
| g | 75mm outer dia. | Metre | 1236.00 |
| h | 90mm outer dia. | Metre | 1479.00 |
| i | 110mm outer dia. | Metre | 803.00 |
| 15768 |  | Providing and fixing ASTM UPVC pipe, conforming to ASTM 2467 with ISO 14001, including all UPVC plain & brass threaded fittings, including jointing of pipes & fittings with one step UPVC solvent cement, trenching ,refilling & testing of joints complete as per direction of Engineer. External work. |  |  |
| I | SCH-80(blue)/(white) |  |  |
| a | 20mm outer dia. | Metre | 295.00 |
| b | 25mm outer dia. | Metre | 409.00 |
| c | 32mm outer dia. | Metre | 526.00 |
| d | 40mm outer dia. | Metre | 628.00 |
| e | 50mm outer dia. | Metre | 835.00 |
| f | 63mm outer dia. | Metre | 1251.00 |
| g | 75mm outer dia. | Metre | 1633.00 |
| h | 90mm outer dia. | Metre | 1953.00 |
| i | 110mm outer dia. | Metre | 2289.00 |
| 15769 |  | Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/Granite/Cuddapah stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete. | Each | 484.00 |
| 15770 |  | Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS: 13983 including cutting of stone and making good the walls wherever required : Kitchen sink with drain board with coupling & all accessories complete with choke stop strainer, Plain type having flat borders for correct sandwithing between the plaform top and bottom slabs complete |  |  |
| a) | Overall size 1040mmx510mm (41"x20") bowl size 460mmx410mmx200mm (18"x 16"x 8") depth 200 mm. Glossy. 1.0mm thk, | Each | 10261.00 |
| 15771 |  | Providing and fixing NICKEL chrome plated copper alloy Fancy Bib Cock with extended lever handle and wall flange Confirming to IS 8931; 1993 15mm nominal bore | Each | 1257.00 |
| 15772 |  | Providing and fixing NICKEL chrome plated copper alloy Fancy Pillar Cock with extended lever handle and wall flange Confirming to IS 8931; 1993 15mm nominal bore | Each | 1665.00 |

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| **CHAPTER XVIII** | | | | |
| **MISCELLANEOUS WORK** | | | | |
| **SR. NO.** |  | **DESCRIPTION** | **UNIT** | **RATE** |
| 18001 |  | Constructing brick masonry chullah 0.75 x 0.45 x 0.23 mts. with two holes in cement mortar 1: 6 (1 cement : 6 coarse sand) fixing iron grating 15cms. diameter and finishing with mud and gobri plaster complete | Each | 4047.00 |
| 18002 |  | Providing and fixing 10cms dia flue of asbestos cement pipe with necessary specials including fixing in position with iron clamps complete. | Metre | 148.00 |
| 18003 |  | Providing & fixing 25 x 25 x 1.7mm (1” x 1” x 1/16”) angle iron or 24 x 34mm (1” x 1/8”) tread plate to RCC steps. | Metre | 228.00 |
| 18004 |  | Hollow glass block 20 x 20 x 10cms in wall laid in cement mortar 1:4 (1 cement: 4 fine sand) and pointed with cement mortar 1: 4 (1 cement: 4 find sand) with colour pigment as required | sq.m | 3396.00 |
| 18005 |  | Providing aluminum strips edging of size 38 x 12 x 3 mm to stairs. | Metre | 208.00 |
| 18006 |  | Providing and fixing 25mm dia G.I. pipes outlet in cement mortar 1:3 (1 cement : 3 fine sand) including cutting and making good the wall. | Metre | 687.00 |
| 18007 |  | Providing and fixing 40mm dia G.I. pipes outlet in cement mortar 1: 3 (1 cement : 3 fine sand) including cutting and making good the wall. | Metre | 922.00 |
| 18008 |  | Providing and fixing peg rack 75 x 10 x 2 cm thick of first class indian teak wood with three brass peg chromium plated of approved design. | Each | 890.00 |
| 18009 |  | Providing and fixing chases 75mm width 50mm deep average size in walls for conduit pipe and filling the same with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm and down gauge) after the conduit pipe is full excluding the cost for 30 meters | Metre | 97.00 |
| 18010 |  | Supplying jamba wooden bally piles 150 mm mean diameter cut to length required (not exceeding 9 meters) and planted in position ready for driving: |  |  |
| a | Upto 2.5 meters long pile | Metre | 192.00 |
| b | Above 2.50 meters upto 3.50 meters long pile | Metre | 202.00 |
| c | Above 3.50meters upto 5.00 meters long pile | Metre | 212.00 |
| d | Above 5.00 meters long pile | Metre | 223.00 |
| 18011 |  | Supplying jamba wooden bally piles 200 mm mean diameter cut to a length required (not exceeding 9 meters) and planted in position ready for driving: |  |  |
| a | Upto 2.5 meters long pile | Metre | 286.00 |
| b | Above 2.50 meters upto 3.50 meters long pile | Metre | 300.00 |
| c | Above 3.50 meters upto 5.00 meters long pile | Metre | 315.00 |
| d | Above 5.00 meters long pile | Metre | 331.00 |
| 18012 |  | Heading and pointing whole bally piles 150mm diameter including only rings, providing and fixing pile shoes, cutting of heads after driving and taking out rings removing cut off portions to departmental store as specified. | Each | 276.00 |
| 18013 |  | Heading and pointing whole bally piles 200mm diameter including only rings, providing and fixing pile shoes, cutting of heads after driving and taking out rings removing cut off portions to departmental store as specified. | Each | 355.00 |
| 18014 |  | Driving down wooden piles of 150mm diameter either in vertical or battered work to approved lines and level through various strata including arranging all the appliances necessary for pile driving complete at site (portion in ground only to be measured) |  |  |
| a | Upto 2.5 meters long pile | Metre | 305.00 |
| b | Above 2.50 meters upto 3.50 meters long pile | Metre | 320.00 |
| c | Above 3.50 meters upto 5.00 meters long pile | Metre | 336.00 |
| d | Above 5.00 meters long pile | Metre | 353.00 |
| 18015 |  | Driving down wooden piles of 200mm diameter either in vertical or battered work to approved lines and level through various strata including arranging all the appliances necessary for pile complete at site (portion in ground only to be measured) |  |  |
| a | Upto 2.5 meters long pile | Metre | 328.00 |
| b | Above 2.50 meters upto 3.50 meters long pile | Metre | 344.00 |
| c | Above 3.50 meters upto 5.00 meters long pile | Metre | 361.00 |
| d | Above 5.00 meters long pile | Metre | 379.00 |
| 18016 |  | Providing anti – termite treatment to buildings conforming to I.S.S. 6113 part II 1971 (revised) including adopting precautions for health hazards and safety measures as required therein with the cost of all materials, chemicals, plants, equipments required for the treatment and furnishing a guarantee for a minimum period of 10 years from the date of completion including eradicating any infestation of termite free of cost during the guaranty period complete. (The payment will be made on plinth of the building. |  |  |
| a | Pre-construction | sq.m | 82.00 |
| b | Post construction | sq.m | 88.00 |
| 18017 |  | Boring holes vertically true to line and form for R.C.C. bored piles of required diameter in all strata except hard rock including removing slush, all kinds of soil and rock, percolating water etc. complete from the above to keep ready for concrete after placing reinforcement but excluding the cost of providing and laying concrete and reinforcement. |  |  |
| a | 500mm dia bore : 1) upto 12m from ground | Metre | 3132.00 |
| 1 | Above 12m but upto 15m depth add 5% | Metre | 3289.00 |
| 2 | Above 15m and upto 18 m depth add 5% | Metre | 3454.00 |
|  |  |  |  |
| b | 400mm dia bore : 1) upto 12m from ground | Metre | 2171.00 |
| 1 | Above 12m but upto 15m depth add 5% | Metre | 2279.00 |
| 2 | Above 15m and upto 18 m depth add 5% | Metre | 2393.00 |
|  |  |  |  |
| c | 300mm dia bore : 1) upto 12m from ground | Metre | 1569.00 |
| 1 | Above 12m but upto 15m depth add 5% | Metre | 1648.00 |
| 2 | Above 15m and upto 18 m depth add 5% | Metre | 1730.00 |
|  |  |  |  |
| d | 600mm dia bore : 1) upto 12m from ground | Metre | 4094.00 |
| 1 | Above 12m but upto 15m depth add 5% | Metre | 4299.00 |
| 2 | Above 15m and upto 18 m depth add 5% | Metre | 4514.00 |
| 18018 |  | Providing and laying reinforced cement concrete 1:1.5:3 (1 cement 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size) in bored piles of specified diameter at the approved workability and compaction as per the discretion of the Engineer-in-charge including all operation for placing the concrete, lifting the casing in stages etc. but excluding the cost of reinforcement. |  |  |
| a | 500mm dia bore : 1) upto 12m depth from G.L. | Metre | 2409.00 |
| 1 | Above 12m but upto 15m add 10% | Metre | 2650.00 |
| 2 | Above 15m but upto 18 m add 10% | Metre | 2915.00 |
|  |  |  |  |
| b | 400mm dia pile : 1) upto 12m depth from G.L. | Metre | 1641.00 |
| 1 | Above 12m but upto 15m depth add 10% | Metre | 1805.00 |
| 2 | Above 15m but upto 18 m. depth add 10% | Metre | 1985.00 |
|  |  |  |  |
| c | 300mm dia pile : 1) upto 12m depth from G.L. | Metre | 1016.00 |
| 1 | Above 12m but upto 15m depth add 10% | Metre | 1117.00 |
| 2 | Above 15m but upto 18 m depth add 10% | Metre | 1229.00 |
|  |  |  |  |
| d | 600mm dia pile : 1) upto 12m depth from G.L. | Metre | 3322.00 |
| 1 | Above 12m but upto 15m depth add 10% | Metre | 3654.00 |
| 2 | Above 15m but upto 18 m depth add 10% | Metre | 4019.00 |
| 18019 |  | Providing and laying reinforced cement concrete of grade M 25 (mix design) with coarse sand and graded granitic or basaltic aggregate 20mm nominal size as per mix design requirements in bored piles of specified diameter at the approved workability and compaction as per the discretion of the Engineer-in-charge including all operation for placing the concrete, lifting the casing in stages etc. but excluding the cost of reinforcement. |  |  |
| a | 500mm dia pile : 1) upto 12m from G.L. | Metre | 2630.00 |
| 1 | Above 12m but upto 15m depth add 10% | Metre | 2893.00 |
| 2 | Above 15m but upto 18 m depth add 10% | Metre | 3182.00 |
|  |  |  |  |
| b | 400mm dia pile : 1) upto 12m from G.L. | Metre | 1782.00 |
| 1 | Above 12m but upto 15m depth add 10% | Metre | 1960.00 |
| 2 | Above 15m but upto 18 m depth add 10% | Metre | 2156.00 |
|  |  |  |  |
| c | 300mm dia pile : 1) upto 12m from G.L. | Metre | 1095.00 |
| 1 | Above 12m but upto 15m depth add 10% | Metre | 1205.00 |
| 2 | Above 15m but upto 18 m depth add 10% | Metre | 1325.00 |
|  |  |  |  |
| d | 600mm dia pile : 1) upto 12m from G.L. | Metre | 3640.00 |
| 1 | Above 12m but upto 15m depth add 10% | Metre | 4004.00 |
| 2 | Above 15m but upto 18 m depth add 10% | Metre | 4404.00 |
| 18020 |  | Providing and laying reinforced cement concrete of grade M 30 ( mix design) with coarse sand and graded granitic or basaltic aggregate 20mm nominal size as per mix design requirements in bored piles of specified diameter at the approved workability and compaction as per the discretion of the Engineer-in-charge including all operations for placing the concrete, lifting the casing in stages etc. but excluding the cost of reinforcement. |  |  |
| a | 500mm dia pile : 1) upto 12m from G.L. | Metre | 2650.00 |
| 1 | Above 12m but upto 15m depth add 10% | Metre | 2916.00 |
| 2 | Above 15m but upto 18 m depth add 10% | Metre | 3207.00 |
|  |  |  |  |
| b | 400mm dia pile : 1) upto 12m from G.L. | Metre | 1795.00 |
| 1 | Above 12m but upto 15m depth add 10% | Metre | 1975.00 |
| 2 | Above 15m but upto 18 m depth add 10% | Metre | 2172.00 |
|  |  |  |  |
| c | 300mm dia pile : 1) upto 12m from G.L. | Metre | 1103.00 |
| 1 | Above 12m but upto 15m depth add 10% | Metre | 1213.00 |
| 2 | Above 15m but upto 18 m depth add 10% | Metre | 1334.00 |
|  |  |  |  |
| d | 600mm dia pile : 1) upto 12m depth from G.L. | Metre | 3670.00 |
| 1 | Above 12m but upto 15m. | Metre | 4037.00 |
| 2 | Above 15m and upto 18 m. | Metre | 4440.00 |
| 18021 |  | Providing and laying reinforced cement concrete of grade M 35 ( mix design) with coarse sand and graded granitic or basaltic aggregate 20mm nominal size as per mix design requirements in bored piles of specified diameter at the required workability and compaction as per the direction of the Engineer-in-charge including all operation for placing the concrete, lifting the casing in stages etc. but excluding the cost of reinforcement. |  |  |
| a | 500mm dia pile : 1) upto 12m from G.L. | Metre | 2666.00 |
| 1 | Above 12m but upto 15m depth add 10% | Metre | 2933.00 |
| 2 | Above 15m but upto 18 m depth add 10% | Metre | 3226.00 |
|  |  |  |  |
| b | 400mm dia pile : 1) upto 12m from G.L. | Metre | 1805.00 |
| 1 | Above 12m but upto 15m depth add 10% | Metre | 1986.00 |
| 2 | Above 15m but upto 18 m depth add 10% | Metre | 2185.00 |
|  |  |  |  |
| c | 300mm dia pile : 1) upto 12m from G.L. | Metre | 1108.00 |
| 1 | Above 12m but upto 15m depth add 10% | Metre | 1219.00 |
| 2 | Above 15m but upto 18 m depth add 10% | Metre | 1341.00 |
|  |  |  |  |
| d | 600mm dia pile : 1) upto 12m from G.L. | Metre | 3693.00 |
| 1 | Above 12m but upto 15m depth add 10% | Metre | 4062.00 |
| 2 | Above 15m but upto 18 m depth add 10% | Metre | 4468.00 |
| 18022 |  | Providing and laying reinforced cement concrete of grade M 40 ( mix design) with coarse sand and graded granitic or basaltic aggregate 20mm nominal size as per mix design requirements in bored piles of specified diameter at the approved workability and compaction as per the discretion of the engineer-in-charge including all operation for placing the concrete, lifting the casing in stages etc. but excluding the cost of reinforcement. |  |  |
| a | 500mm dia pile : 1) upto 12m from G.L. | Metre | 2682.00 |
| 1 | Above 12m but upto 15m depth add 10% | Metre | 2950.00 |
| 2 | Above 15m but upto 18 m depth add 10% | Metre | 3245.00 |
|  |  |  |  |
| b | 400mm dia pile : 1) upto 12m from G.L. | Metre | 1815.00 |
| 1 | Above 12m but upto 15m depth add 10% | Metre | 1997.00 |
| 2 | Above 15m but upto 18 m depth add 10% | Metre | 2196.00 |
|  |  |  |  |
| c | 300mm dia pile : 1) upto 12m from G.L. | Metre | 1114.00 |
| 1 | Above 12m but upto 15m depth add 10% | Metre | 1225.00 |
| 2 | Above 15m but upto 18 m. depth add 10% | Metre | 1348.00 |
|  |  |  |  |
| d | 600mm dia pile : 1) upto 12m from G.L. | Metre | 3714.00 |
| 1 | Above 12m but upto 15m depth add 10% | Metre | 4086.00 |
| 2 | Above 15m but upto 18 m depth add 10% | Metre | 4494.00 |
| 18023 |  | Providing and fixing G.I. chain link mesh 6.35cm x 6.35 cm x 10 gauge (2.5” x 2.5” x 10 gauge) fixed with angle iron posts and struts by G.I. or M.S. staples at 20cms apart with welding with the iron posts (placed at 3 meters centre to centre) including providing barbed wire stiffeners (shall weigh 9.33 kg. per 100 meters minimum) at top and bottom with barbed wire stiffers by binding wires at 50cms centre to centre complete as per the direction of the Engineer – in – charge (angle iron posts struts, earthwork and concrete for fencing posts and struts to be paid separately) | Metre | 285.00 |
| 18024 |  | 1.2 mt. height fencing with 1.20mt. R.C.C. posts of standard 30 design placed at 3 mt. apart embedded in cement concrete blocks, corner, end & every 10th post to be strutted with 9 horizontal lines & two diagonals of barbed wire 9.33 kg/100 mt. minimum between two posts, fitted and fixed with G.I. stapples on wooden plug tied to 6mm bar nib with binding wire (cost of posts, struts, earthwork and concrete to be paid separately) |  |  |
| a | G.I. barbed wire | Metre | 184.00 |
| b | M.S. barbed wire | Metre | 232.00 |
| 18025 |  | Supplying 30 cms minimum girth jamba wood ballies at site to required length | Metre | 167.00 |
| 18026 |  | 1.2 mts. high fencing with 1.20 mt. jamba ballie posts 30cm girth (min) placed at 2.5 mts. apart embeded in cement concrete blocks, corner, end and every 12th post to be strutted provided with 6 horizontal lines and two diagonal of barbed wire 9.38 kg/ 100 mts. minimum between two posts, fitted and fixed with G.I. staples including coal tarring of ballies complete (cost of post, struts, earth work and concrete to be paid for separately) |  |  |
| a | G.I. barbed wire | Metre | 151.00 |
| b | M.S. barbed wire | Metre | 188.00 |
| 18027 |  | 1.8 mts. high fencing with 2.50 mts. jamba ballie posts 30 cms girth (min) placed at 2.5 mts. apart embeded in cement concrete blocks, end and every 12th post to be strutted provided with 9 horizontal lines and two diagonal of barbed wire 9.38 kg/ 100 mts. minimum between two posts, fitted and fixed with G.I. staples including coal tarring of ballies complete (cost of post, struts, earth work and concrete to be paid for separately) |  |  |
| a | G.I. barbed wire | Metre | 210.00 |
| b | M.S. barbed wire | Metre | 266.00 |
| 18028 |  | 2.4 mts. high fencing with 3.30 mts. jamba ballie posts 30cms girth (min) placed at 2.5 mts. apart embeded in cement concrete blocks, corner, end and every 12th post to be strutted provided with 12 horizontal lines and two diagonal of barbed wire 9.38 kg/ 100mts. minimum between two posts, fitted and fixed with G.I. staples including coal tarring of ballies complete (cost of posts, struts, earth work and concrete to be paid for separately) |  |  |
| a | G.I. barbed wire | Metre | 272.00 |
| b | M.S. barbed wire | Metre | 337.00 |
| 18029 |  | Providing weep holes of clear size 15 cms high and 8 cms wide in concrete walls as per drawing and direction of engineer in charge with 30 cms thick jungle wood planks to form a box of clear dimensions of the weep hole and keeping the same in position with a slope of about 1 verticle to 20 horizontal towards drainage face while laying the concrete complete. | sq.m | 287.00 |
| 18030 |  | Treatment of timber piles in a hot mixture of tar and creosote oil in the proportion of 20 litres of coal tar to 25 litres of creosote oil for a period of 4 minutes dipping including the cost of all materials fuel and labour complete. | sq.m | 261.00 |
| 18031 |  | Providing and fixing R.C.C. 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggreate granitic or basaltic stone aggregate 12.5 mm nominal size) benches including finishing and plastering the exposed surface with cement mortar 1: 3 (1 cement : 3 fine sand) thickness not exceeding 6mm on exposed surface to give smooth and even surface except on the seat & the back of the bench which shall be of marble mosaic chips finished, rubbed and polished to granolithic finish top layer 6mm thick with white black coloured marble chips of sizes from smallest to 4mm nominal size laid in cement marble powder mix 3: 1 (3 white cement : 1marble powder) by weight in proportion of 4 cement marble powder mix : 7 marble chips by volume with under layer 12mm thick cement plaster 1: 3 (1 cement: 3 coarse sand) incl. finishing the rear and bottom sides with waterproofing cement pant of approved brand and required shade (3 or more coats) to give an even shade complete | Each | 4574.00 |
| 18032 |  | Plastering with cement mortar 1:4 (1 cement : 3 fine sand) 20mm thick with a floating coat of neat cement on walls for making black board including painting with black japan paint (one or more coats) | sq.m | 476.00 |
| 18033 |  | Providing at site 1.8m long RCC standard posts with wooden plugs or 6mm bar nibs. | Each | 690.00 |
| 18034 |  | Supplying at site 2.00 m long RCC standard struts | Each | 548.00 |
| 18035 |  | Providing and fixing prefabricated compound gate of G.I. pipes 40 – 50 mm dia (medium) with 12mm M.S. square bars of G.I. pipes grill work as per drawing including providing & fixing locking arrangements, pintals, hold fast embedded in cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 granitic or basaltic aggreate 20mm nominal size) including applying priming coat with ready mixed red lead paint and painting 2 or more coats with superior ready mixed paint of approved brand and manufacture in all shades as per direction complete. | sq.m | 5352.00 |
| 18036 |  | Solid PVC door frame in plain colour : Providing and fixing factory made polyvinyl chloride (PVC) Door Frame in plain colour manufactured of size 100mm x 45mm with a wall thickness of 5mm(±0.25), made out of extruded 5mm (±0.25) thick PVC Sheet of Density 600 Kgs /Cbm Manufactured by an ISO-9000 certified Company, and by joining 3nos. heat bent PVC sheet sections. The inside section of size 90x30mm shall be made from plain colour PVC sheet of 5mm(±0.25) thickness. The inside section will be covered by sticking two sections of size 30x35mm and 70x45mm made from 5mm(±0.25) thick plain PVC sheet. The frame shall be mitre cut at two corners and joined with 4nos. of 150mm long brackets of 15mm x 15mm M.S. Square tube. The two vertical door frames are to be reinforced with 40mm x 20mm M.S. tube of 19 guage through out the frame. The door frame shall be fixed to the wall using 8/100mm long M.S. Screws through the frame by using anchor fastners. A minimum of 4nos. of screws to be provided for each vertical member & minimum 2nos. for horizontal member etc. complete as per manufactures specification and direction of Engineer-in-charge. | Metre | 443.00 |
| 18037 |  | Solid PVC door frame in prelaminated colour : Providing and fixing factory made polyvinyl chloride (PVC) Door Frame in Prelaminated colour of the size 50mm width, 47mm height with a wall thickness of 5mm(±0.25), made out of extruded 5mm(±0.25) thick PVC Sheet of Density 600 Kg /Cbm Manufactured by an ISO-9000 certified Company , having pattam width of 50mm and thickness of 10mm providing weather seal Non-woven self adhesive gasket throughout the frame. All three frame lengths reinforced with 19mmx19mm M.S.square tube of 19 gauge. mitre cut at two corners and joined with 2nos. of 150mm long brackets of 15mmx15mm M.S. square tube. The door frame shall be fixed to the wall using 8/100mm long M.S. Screws through the frame by using PVC fasteners. A minimum of 4nos. of screws to be provided for each vertical member & minimum 2nos. for horizontal member etc. complete as per manufacturers specification and direction of Engineer-in-Charge. | Metre | 506.00 |
| 18038 |  | Providing and fixing 30mm thick factory made solid panel (PVC) door shutter consisting of frame made out of M.S.tubes of 19 guage thickness and size of 40mm x 20mm for stiles as well as top, lock & bottom rail. M.S.Frame shall have a coat of metal primer of approved make and manufacture. M.S.Frame shall be covered with heat moulded prelam / Plain 'C' channel made from 5mm (±0.25) thick PVC Sheet of Density 600 Kg /Cbm Manufactured by an ISO-9000 certified Company, of size 30 thickness, 110mm width forming stiles in which 100 mm should be flat & 5mm should be taper, and 5mm (±0.25) thick, 135mm wide PVC Sheet for top rail and bottom rail in which 125 mm should be flat & 5mm taper on either side of panel. also for lock rail 145 mm sheet ,125 mm should be flat & 5 mm taper on either side . An additional 5mm thick PVC strip of 20mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent cement adhesive . Panelling of 10mm Prelam PVC sheet to be fitted in the M.S.Frame welded/sealed to the stiles & rails with 30mm wide x 5mm(±0.25) thick PVC sheet beading on either side and additional 30mm wide PVC beading as gap insert below top and bottom rail joined together using solvent cement adhesive.15mm thick (5mm(±0.25) x 3) , 20mm wide cross PVC sheet as gap insert for top & bottom rail. Door to be fixed with frame with 3 Nos. M.S powder coated butt hinges of size 100mm\*25mm\*2mm and 50mm long steel screws drilled suitable to pass through both the walls of the M.S tube. Other hardware of door should be fixed with 25mm\*8mm size steel screws etc. complete as per direction of Engineer-in-charge, manufacturer's specification and drawing. | sq.m | 2531.00 |
| 18039 |  | Providing and fixing 30mm thick FACTORY MADE BOTH SIDE PRELAM SOLID PANEL PVC DOOR SHUTTER consisting of frame made out of M.S tubes of 19 guage thickness and, size 19 X 19mm for styles and 15 X 15mm for the top and bottom rails, M.S frame shall have a coat of metal primer of approved make and manufacture . M.S.frame shall be covered with heat moulded PVC ‘C’ channel made from 5mm(±0.25) thick sheet of density 600kg/cbm manufactured by an ISO- 9000 certified company, of size 30mm thickness, 50mm width to form styles and 5mm(±0.25) thick and 75 mm wide PVC sheet for the top rail, lock rail and bottom rail on either side of the panel . An additional 5mm(±0.25) thick PVC strip of 20mm width is to be stuck on the bottom side of the 'c' channel . Panelling of 5mm(±0.25) thick PVC sheet to be fitted inside the M.S frame welded/sealed to the styles and rails with 5mm(±0.25) x 30mm PVC sheet beading on either side and joined togther with solvent cement adhesive etc., 10mm thick ( 5mm(±0.25) x 2nos.) , 20mm wide cross PVC sheet as gap insert for the top rail & bottom rail. Door to be fixed to frames with 3 nos. M.S powder coated butt hinges of size 100mm\*25MM\*2mm using 32mm long steel screws drilled suitable to pass through both the walls of the M.S tube. Other hardwares should be fixed with 19\*6mm size steel screws, Complete as per direction of Engineer-in-Charge. | sq.m | 3386.00 |
| 18040 |  | Solid core PVC moulded door in plain colour Providing and fixing 35mm thick factory made Moulded door shutter- Wood free consisting of frame made out of M.S. tubes of 19gauge thickness and size of 25mm x 25mm for stiles, top and bottom rails. M. S. frame shall have a coat of steel primers. The inner panel shall consist of 25mm thick High Density EPS / PUF conforming to IS 4671-1984 bonded with 2mm thick sheet of density 700kg/cbm manufactured by an ISO-9000 certified company termite proof, water proof and fire resistant moulded PVC Sheet with 2, 4, 6 raised panel design in different plain and / or prelam colours after routing the Moulded design on one side & 2mm plain and /or prelam PVC sheet on other side of the EPS./ PUF The edge of panel to be sealed with lipping of 10mm wide PVC sheet baton (made by sticking 2nos. PVC sheets of 5mm( ) thickness using PVC solvent cement) and stile sides 25mm (5mm x 5) thick and 30mm width PVC Sheet fitted along M.S. tube for lock provision & for lock height 5mm( ) thick PVC sheet of size 150mm x 100mm fixed with upper & lower face of inner side of EPS Panel etc. complete as per direction of Engineer-in-charge, manufacturer's specification and drawing. | sq.m | 4506.00 |
| 18041 |  | Solid core PVC moulded door inprelaminated colour : Providing and fixing 35mm thick factory made Moulded door shutter - Wood free consisting of frame made out of M.S. tubes of 19gauge thickness and size of 20mm x 40mm for stiles as well as top, bottom & lock rail . M. S. frame shall have a coat of metal primer of approved make & manufacturer. The inside panel shall consist of 20mm thick multichamber hollow PVC section of 1mm wall thickness, bonded using solvent cement / cynoacrylate adhesive with 5mm(±0.25) thick moulded PVC sheet of Density 600 Kg/cbm manufactured by an ISO-9000 certified company . with 2, 4, 6 raised panel design in plain / prelam colours after routing the Moulded design on one side of the inside panel . 5mm(±0.25) plain / prelam PVC sheet to be pasted using solvent cement / cynoacrylate adhesive on other side of the Hollow PVC section. All the four edge of the panel to be sealed with lipping of 10mm thick & 20 mm wide PVC sheet baton (made by sticking 2Nos. foam PVC sheets of 5mm(±0.25) thickness using PVC solvent cement adhesive.Door edge lipping to be painted with PVC ink of matching colour of Plain/Prelam mouded PVC sheet of door .20 mm thick (5 mm x 4 nos.)thick PVC sheet to be given for lock provison at lock height . Door to be fixed with frame with 3 nos. stainless steel butt hinges of size 100mm\*25mm\*2mm and 50mm long steel screws drilled suitable to pass through both the walls of the M.S tube.other hardwares should be fixed with 25mm\*8mm size steel screws etc, complete as per direction of Engineer-in-charge, manufacturer’s specification and drawing. | sq.m | 5566.00 |
| 18042 |  | PVC false ceiling grid type : Providing and fixing PVC False Ceiling consisting of 600mm x 600mm, 5mm(±0.25) thick Plain PVC sheet of 600 kg/Cbm Density Manufactured by an ISO-9000 certified Company, used as panel insert in a frame work made using anodized aluminum T- section of sizes 1” x1” (25x25mm, 19 gauge or 1mm thick) in square pattern of grid sizes of 2’x2’(600x600mm). The aluminum frame work is supported from the ceiling with the help of 'J' hook and G.I. wire / 6mm M.S. rods of required sizes to maintain proper level etc. The aluminum framework is supported on side wall with the use of aluminum L-section of size 1”x1” (25x25mm) angles etc. Complete as per direction of Engineer-In-charge, manufacturer’s specification & drawing. | sq.m | 1333.00 |
| 18043 |  | PVC wall paneling :Providing and fixing PVC sheet Wall Paneling of thickness 5mm (±0.25) consisting of panels of desired size stuck on inner frame work of 50mm wide strips of 5mm (±0.25) thick Prelam PVC sheet. The panel & strips shall be of 600 kg/Cbm Density Manufactured by an ISO-9000 certified Company. The strips should have in their center a grove of 6mm width and 1mm depth for sinking the head of the screw used to fix the strips to the wall vertically at an equal interval of 10” between two PVC strips. The PVC strips shall be fixed to the wall using 65mm long M.S. screws through the groove in the strip by using PVC fasteners. The distance between two screws shall not be more than 200mm. A groove of 2mm may be left at the joint of two panels for aesthetic looks. The exact size of the panel and correspondingly of the grid may vary depending on the size of the wall. Optionally a strips of 5mm(±0.25) thick PVC sheet of width 75mm feathered at the edges shall be stuck at the places where two panels are joined, using solvent cement. | sq.m | 1768.00 |
| 18044 |  | PVC insulated wall paneling : Providing & fixing Insulated PVC wall Paneling shall consist of PVC Insulated panels having wall thickness 2mm( ±0.25) PVC sheet of 700 Kg/CBM density manufactures by an ISo - 9000 certified company and the desireed thickness of EPS ( dependent on ther insulation required) screwed into the wall using screws of adequate length. The screw shall be placed at a distance of 150 mm and shall be 25 mm from the edge of insulated panel on all from side of the panel. The PVC strips are 4 mm ( ±0.25) thick PVC sheet of width 75 mm feathered at the edges shall be stuck using solvent cement adhesive at the palces where two panels are joined ,so as to cover the screw of both the panels, using solvent cement 90 degree sheet heat bend strips of 4 mm thick PVC sheet of width 75 mm X 75 mm feathered at the edges shall be stuck at wall joints/ Pillars etc. complete as per the direction of engineer in charge, manufactures specification & drawing. | sq.m | 2382.00 |
| 18045 |  | SOLID PVC WINDOW FRAME AND SHUTTER: Frame: of size 50mm x42mm consisting of frame made out of M.S. tube of 19 gauge of size 15mm x 15mm and Solid PVC sections made from 4.25mm thick sheet (4mm (±0.3) PVC foam sheet laminated with 0.25mm Rigid PVC sheet) of density 900 kg/cbm density manufactured by an ISO-9000 certified company, suitably joined using PVC solvent cement so as to prefixed in wall. In wall using hold fasts M.S. window grill should be fixed suitably with Solid PVC sections mitre cut on corners complete as per direction of Engineer-in-charge and manufacturer's specification. Shutter: consisting of frame made out of M.S. tube of 19 gauge of size 15mm x 15mm for style, top, bottom rail. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame shall be covered with 4.25mm thick sheet (4mm (±0.3) PVC foam sheet laminated with 0.25mm rigid PVC sheet) of density 900 kg/cbm density manufactured by an ISO-9000 certified company, white colour rigid heat moulded PVC 'C' Channel of size 62mm x 25mm x 50mm of the window shutter forming stiles & rails. Glass panel and Wire mesh will be fitted externally in the clear space available between stiles and rails and fixed using window shutter PVC beading of size 12mm x 8mm complete as per direction of Engineer-in-charge and manufacturer's specification. | sq.m | 6059.00 |
| 18046 |  | Long open time epoxy bonding agent for bonding old concrete to new concrete | sq.m | 724.00 |
| Providing and applying structural grade bonding agent a two component, solvent less epoxy resin based. It shall be formulated to meet the requirement of ASTM C881 Type 2, Grade 2, Class B &C. The Bonding agent shall exhibit minimum open time of 6 hours and shall exceed the tensile strength of concrete in terms of its adhesive bond strength. This epoxy system on mixing yields an adhesive for internal or external bonding of renderings, granolithic toppings, and new concrete to old concrete. Item is inclusive of all tools, plant, labour, materials including necessary scaffolding, etc complete. |
| 18047 |  | Acrylic bonding agent for bonding repair mortar |  |  |
|  | Providing and applying on a well prepared surface polymer bonding agent. The product shall have minimum solids of 40%. The polymer shall be capable of being used as bonding agent and shall have pull-off bond strength not less than 1 MPa. All scaffolding, ladders, supporting materials etc. complete. Rates shall be inclusive of all labour, materials, tools and plant etc. complete. | sq.m | 615.00 |
|  |  | COATINGS |  |  |
| 18048 |  | High build, Crack-bridging, Elastomeric, protective and waterproof coating for Concrete & Masonry specially for concrete surfaces of bridges | sq.m | 720.00 |
|  |  | Providing and applying on a well prepared vertical surface which is single component, high performance, acrylic resin based coating for long term protection of concrete & masonry from aggressive atmospheric gases such as, carbon dioxide, sulphur dioxide and chloride ions. The product shall be applied in minimum two coats to achieve total DFT of 300 Microns. The product must be crack-bridging high elongation type with elongation at break, exceeding 300% & tensile strength exceeding 2.5 MPa. The system shall exhibit excellent bond strength with the substrate at least exceeding 1.5 MPa, when tested as per ASTM D 4541. All scaffolding, ladders, supporting materials etc. complete. Rates shall be inclusive of all labour, materials, tools and plant etc. complete. |
| 18049 |  | Pitch extended epoxy coating to protect marine and waste water handling structures coal tar epoxy protection coating in splash zone, sewage treatment plants |  |  |
|  | Providing and applying on a well prepared concrete surface which is high build, pitch extended epoxy , a 100% solids, solvent free, tough abrasion resistant protective coating. The product shall exhibit excellent bond strength with the substrate at least exceeding 2.5 MPa, when tested as per ASTM D4541. The product shall be formulated to have high build thickness exceeding 150 microns per coat on average and shall be applied to achieve overall thickness of 300 microns in two coats. The product shall be formulated to resist exposure to accelerated weathering test as per ASTM D4587 and shall not exhibit any flaking or blistering. All scaffolding, ladders, supporting materials etc. complete. Rates shall be inclusive of all labour, materials, tools and plant etc. complete. | sq.m | 468.00 |
| 18050 |  | Corrosion inhibitor treatment specially for splash zone of bridge, jetty concrete surfaces |  |  |
|  | Providing and applying on a well prepared surface penetrating deeply into concrete and providing organofunctional molecules to inhibit the electrochemical corrosion process between the rebar and the chloride ions, oxygen and moisture.The product shall be applied at an average rate of 600 ml/m2 in two to three coats The product shall exhibit excellent depth of penetration and shall react with the concrete substrate and form a permanent chemical bond. The product shall have measurable reduction in the corrosion current of concrete after 28 days of application at site. All scaffolding, ladders, supporting materials etc. complete. Rates shall be inclusive of all labour, materials, tools and plant etc. complete. | sq.m | 2884.00 |
| 18051 |  | Deep penetrating and reactive water repellent coating for protection heritage structure surfaces |  |  |
|  | Providing and applying on a well prepared vertical /Horizontal surface which is solvent free liquid based on a monomeric alkylalkoxysilane. The amount to be applied depends to a large extent on how absorbent the substrate is. In practice, it has to be determined by a trial impregnation. The product shall be based on pure silane formulation, and free of siloxane and solvents.The material shall be mixed and applied fully in accordance with the manufacturer's instructions. All scaffolding, ladders, supporting materials etc. complete. Rates shall be inclusive of all labour, materials, tools and plant etc. complete. | sq.m | 786.00 |
| 18052 |  | **GROUTS** |  |  |
|  | Low viscosity epoxy resin with long pot life for crack injection for structural repairs. |  |  |
|  | Providing and Supplying which is two-component epoxy injection resin, low viscosity resin system having viscosity less than 350 cps at ambient temperatures. The injection resin shall be high strength in excess of 55 MPa at 1 day & 65 MPa at 7 days. The product shall exceed 55 MPa in flexural strength at 7 days and shall exceed 15 MPa in slant sheer bond strength. The product shall have minimum pot life of 30 minutes at ambient temperatures. The injection resin shall comply with ASTM C881, Type 1 & 4, Grade 1, Class B & C. The injection resin must have pass rating for shrinkage test as per ASTM C881 and shall be impermeable.. All scaffolding, ladders, supporting materials etc. complete. Rates shall be inclusive of all labour, materials, tools and plant etc. complete. | kg | 1691.00 |
| 18053 |  | Rapid curing flowable epoxy grout with high early strength under base plates. |  |  |
|  | Providing and Supplying which is rapid-curing, high flow, filler-extended epoxy resin grout. The grout shall exhibit high early strengths by exceeding compressive strength of 75 MPa at 1 day and 100 MPa at 7 days; shall exceed flexure strength of 25 MPa at 7 days. The formulation shall be of 100% solids and free of solvents. All scaffolding, ladders, supporting materials etc. complete. Rates shall be inclusive of all labour, materials, tools and plant etc. complete. | litre | 766.00 |
| 18054 |  | Ultra-high strength, high-precision, dual shrinkage compensated, free flow cementitious grout for machine , column base plates |  |  |
|  | Providing and Supplying approved which is dual shrinkage-compensated, cementitious grout shall be hydraulic-cement based free-flow, high strength grout that complies with ASTM C1107. The grout shall have compressive strength minimum of 35 MPa at 1 day and 75 MPa at 28 days; flexure strength minimum of 9 MPa at 28 days. The grout must exhibit positive volumetric expansion in plastic stage as well as hardening stage. Grout must be flowable at 0.15 w/c ratio and shall have fresh wet density in excess of 2200 Kg/m3. The grout must be accredited by reputed testing institute for dynamic load resistance test of 2 million cycles with no sign of cracking or strength loss. All scaffolding, ladders, supporting materials etc. complete. Rates shall be inclusive of all labour, materials, tools and plant etc. complete. | litre | 197.00 |
| 18055 |  | Pure epoxy resin based anchoring mortar for anchoring of rebars |  |  |
|  | Providing and Supplying which is a two-component, thixotropic, pure epoxy resin based chemical anchoring mortar. The product is specially designed for applications where heavy loads under critical conditions are to be fixed in concrete. Both components of Masterflow® 935, packed in a single cartridge with separate compartments, are correctly mixed in the mixing nozzle during application. The product should be styrene free fomultation and shall have very low shrinkage, even on big diameters. All scaffolding, ladders, supporting materials etc. complete. Rates shall be inclusive of drilling of requisite holes in concrete, all labour, materials, tools and plant etc. complete. | litre | 9001.00 |
| 18056 |  | High strength, dual-shrinkage compensated, micro-concrete for concrete repairs. |  |  |
|  | Providing and laying which is duel shrinkage-compensated, cementitious micro-concrete, high strength, high flow, single component cementitious formulation. The repair micro-concrete shall have compressive strength minimum of 55 MPa at 7 day and 65 MPa at 28 days. The repair mortar shall not require polymer bonding agent as primer. All scaffolding, ladders, supporting materials etc. complete. Rates shall be inclusive of all labour, materials, tools and plant etc. complete. | litre | 189.00 |
| 18057 |  | High strength, fibre reinforced, thixotropic repair mortar. |  |  |
|  | Providing and applying on a well prepared vertical surface which is duel shrinkage - compensated, cementitious patch repair mortar, high strength single component mortar modified with fibres. The repair mortar shall have compressive strength minimum of 20 MPa at 1 day and 70 MPa at 28 days. The repair mortar shall not require polymer bonding agent as primer and shall be thixotropic consistency, capable of applying 50mm thick in single layer. All scaffolding, ladders, supporting materials etc. complete. Rates shall be inclusive of all labour, materials, tools and plant etc. complete. | litre | 223.00 |
| 18058 |  | One component, anti-corrosion primer for reinforcement. |  |  |
|  | Providing and applying on a well prepared vertical surface Thorostructurite primer which is anti-corrosion primer for steel reinforcement shall be a single component polymer- modified, cement-based compound. The primer shall be formulated to provide dual protection of a polymeric barrier and an integral corrosion-inhibiting system. The primer shall exhibit quick drying within 10 minutes and shall have adhesive bond strength greater then 5 Kg/cm2 when tested as per ASTM D4541. The product shall exhibit good abrasion resistance by maintaining less than 60 mg/1000 cycle wear loss when subjected to ASTM D4060, CS 17 wheel on Taber abrasion machine. All scaffolding, ladders, supporting materials etc. complete. Rates shall be inclusive of all labour, materials, tools and plant etc. complete. | litre | 533.00 |
| 18059 |  | STRUCTURAL RETROFITTING |  |  |
|  | Mbrace Glass and Carbon fibre sheets for structural retrofitting. |  |  |
|  | Providing and applying on a well prepared primed surface MBrace Fibre system as a externally bonded fibre reinforcement enveloped in MBrace saturant resin.Primer used shall be Mbrace primer or equivalent . Primer is the concrete bonding adhesive for use with the fiber Composite Strengthening System. It is a 100% solids low viscosity epoxy resin able to cure in the presence of moisture and at temperatures as low as 2°C.When applied to sound concrete PRIMER gives high tensile bond strength to the fiber COMPOSITE STRENGTHENING SYSTEM. MBrace Saturant resin or equivalent is the easy-to-apply, 100% solids material that permits adhesion of a lightweight sheet, within the fiber Composite Strengthening System. When cured with the tow sheet, Saturant resin produces a high performance composite system for use in external structural repair or upgrade applications. Concresive 2200 putty or equivalent shall be used for the concrete smoothing for use with the fiber Composite Strengthening System. It is 100% solid, non-sag paste epoxy resin material. |  |  |
|  |  | All scaffolding, ladders, supporting materials etc. complete. Rates shall be inclusive of all labour, materials, tools and plant etc. complete. |  |  |
|  | a | Mbrace glass fiber ( Mbrace G sheet EU 900 @900 GSM(Glass Fibre Unidirectional)) |  |  |
| The product shall have Modulus of elasticity of 73KN/mm2 and Tensile strength at break of 3400N/mm2. and Ultimate strain of 4.5 %. | sq.m | 3746.00 |
|  | b | Mbrace carbon fiber ( MBrace CF 240/200 - Unidirectional Carbon Fiber Reinforcement System High Tensile CF) or equivalent. |  |  |
| The product shall have Modulus of elasticity of 73 KN/mm2 and Tensile strength at break of 3800N/mm2. and Ultimate strain of 1.55 %. | sq.m | 5358.00 |
|  | c | Mbrace carbon fiber ( MBrace CF 240/400 - Unidirectional Carbon Fiber Reinforcement System High Tensile CF) or equivalent |  |  |
| The product shall have Modulus of elasticity of 73 KN/mm2 and Tensile strength at break of 3800N/mm2. and Ultimate strain of 1.55 % | sq.m | 6293.00 |
| 18060 |  | Structural retrofitting with Carbon Mbrace Laminate. | sq.m | 2497.00 |
|  | Providing and applying on a well prepared primed surface MBrace carbon fiber laminate system as a externally bonded fibre reinforcement with MBrace adhesive of BASF make or equivalent.Primer used shall be Mbrace primer or equivalent . Primer is the concrete bonding adhesive for use with the fiber Composite Strengthening System. It is a 100% solids low viscosity epoxy resin able to cure in the presence of moisture and at temperatures as low as 2°C.When applied to sound concrete PRIMER gives high tensile bond strength to the fiber COMPOSITE STRENGTHENING SYSTEM. MBrace Laminate Adhesive is a two component solventless epoxy system which when mixed yields a non slumping, fast curing adhesive. concresive 2000 puttyor equivalent shall be used for the concrete smoothing for use with the fiber Composite Strengthening System. It is 100% solid, non-sag paste epoxy resin material. |
|  | All scaffolding, ladders, supporting materials etc. complete. Rates shall be inclusive of all labour, materials, tools and plant etc. complete. |
|  | Mbrace carbon laminate grade 165/2500 -50x1.4. |
|  | The product shall have Modulus of elasticity of 165KN/mm2 and Tensile strength at break of 2500N/mm2. and Ultimate strain of 1.3 %. Laminate should essentially have peel ply system on both the sides and surface of the laminate shall be rough for good bonding with the adhesive. |
| 18061 |  | WATERPROOFING |  |  |
|  | Spray applied fast curing, heat resistant polyurethane seamless waterproofing membrane |  |  |
|  | Providing and applying on a well prepared horizontal surface Coniroof 2111 of *BASF make or equivalent* Supply and Installation of BBA Approved spray applied waterproofing membrane system, a multi-layered system comprising, primer, waterproofing membrane. The product shall have the green label certificate. The primer shall be CONCRESSIVE 2525 or equivalent, a two component, solvent free epoxy resin based. The fast-drying primer shall be CONCRESSIVE 2525 or equivalent, a two component, solvent free epoxy resin based. It shall be formulated to meet the requirements of non tainting for usage in food storage and potable grade structures. It shall be fully compatible with CONCRESSIVE Range of repair mortars. Dried, graded MASTERTOP SRA no. 3 sand or equivalent is immediately and evenly spread over the entire wet surface by hand or mechanically. When sufficiently cured the surface is vacuumed to remove any loose sand. Waterproofing Membrane: The waterproofing membrane shall be CONIPUR M 800 or equivalent, a solvent free two component spray applied system. Ladders supporting materials etc. complete. Rates shall be inclusive of all labour, materials, tools and plant etc. complete. | sq.m | 4574.00 |
|  | It is highly reactive and can only be applied by special, two component spray equipment. UV Top Coat: The top sealer for use on exposed areas shall be Conipur TC459 or equivalent based on aliphatic polyurethane, pigmented, single component; moisture curing, UV and weather resistant. Conipur TC459 or equivalent should be stirred well and applied evenly by spraying. The rates are inclusive of labor, tools and tackles. All scaffolding, ladders, supporting materials etc. complete. Rates shall be inclusive of all labour, materials, tools and plant etc. complete. |  |  |
| 18062 |  | An elastomeric, cementitious, waterproof coating for concrete and masonry. |  |  |
|  | Providing and applying on a well prepared vertical surface Masterseal 550EL of *BASF make or equivalent* elastomeric flexible, two component polymers modified cementitious composite system that requires no addition of water at the site. The product shall be applied in minimum two coats to achieve total DFT of 1mm. The material shall be mixed and applied fully in accordance with the manufacturer's instructions. The product shall exhibit at least 40% elongation at ambient & 30% elongation in under water condition with tensile strength greater then 20 Kg/cm2. The product shall resist 1.5 bars pressure when tested as per DIN 1048 at 2mm DFT. When applied at 2mm DFT, elastomeric coating shall be able to bridge crack up to 0.5mm width. All scaffolding, ladders, supporting materials etc. complete. Rates shall be inclusive of all labour, materials, tools and plant etc. complete. | sq.m | 515.00 |
| 18063 |  | Synthetic membrane of plasticized PVC in Fire resistant version for basement |  |  |
|  | Providing and laying on a well prepared horizontal / vertical surface 2 mm Masterpren BG FR of*BASF make or equivalent*which is a synthetic membrane made of plasticised PVC of fire resistant manufactured by twin coloured co-extrusion method.The product shall have a Puncture resistance of atleast 1100 mm as per DIN 16726-5.12.All scaffolding, ladders, supporting materials , fuse welding etc. complete. Rates shall be inclusive of all labour, materials, tools and plant etc. complete. Rate shall be paid on net area covered. | sq.m | 2071.00 |
| 18064 |  | Synthetic membrane of masterpren TPE for roof |  |  |
|  | Providing and laying on a well prepared roof surface 1.2 mm Masterpren TPE of *BASF make or equivalent* which is modified polyolefin, in two-colour version (sand grey/black), obtained by co-extrusion, which allows it to be produced in a single layer a liner with different physical-chemical properties on the two sides. It has a polyester mesh reinforcement.The product shall have a Tear Resistance of 300 N as per DIN 53363.All scaffolding, ladders, supporting materials etc. complete. Rates shall be inclusive of all labour, materials, tools and plant ,fuse welding etc. complete. Rate shall be paid on net area covered. | sq.m | 2265.00 |
| 18065 |  | Liquid, cold-applied elastomeric waterproofing membrane system. |  |  |
|  | Providing and applying on a well prepared vertical surface Sonoshield HLM 5000 of *BASF make or equivalent* one-component,moisture-curing, bitumen-modified polyurethane elastomeric waterproofing membrane for exterior below-grade or between-slab applications. The product shall be applied in minimum two coats to achieve total DFT of 1.25 mm. The materials shall be mixed and applied fully in accordance with the manufacturer's instructions. This material has got very high Elongation Almost >600%. All scaffolding, ladders, supporting materials etc. complete. Rates shall be inclusive of all labour, materials, tools and plant etc. complete. | sq.m | 1299.00 |
| 18066 |  | Providing fusion bonded epoxy to reinforcing bars as per IS:13620-1993 specification for a thickness of 175 +- microns including testing of coating at plant, extra cost for careful handling using PVC coating, binding wires instead of G.I. wires, touching up the material supplied, repair work etc. complete as per detailed specifications MORT&H section 1600 etc. complete and as per the Directionof Engineer in charge.(Steel to be paid separately) | tone | 16396.00 |
| 18067 |  | Removing old loose bottom or side cover of RCC slab, beam, columns etc. rubbing surface of concrete steel using wire brush and applying 2 coats of Alkaline rust converting primer (Feovert) after a waiting time of 6 hrs between coats and then applying another anti corrosive protective coating system ) for reinforcement bars (IPNet-RB) Conforms to IS-2770 Part-1 (Pull out Test) ASTM-3963-86 (Adhesion Test) and then applying concrete penetrating corrosion inhibitor (EPCO-KP100) and applying bonding new to old concrete (Epibond) Conforms to ASTM-C-882-87 and plastering on the fresh bond coat with Polymer Modified Mortar (Monobond) with 20mm C.M 1:3 and finishing coat of 6mm C.P 1:3 (1 Cement : 3 Sand ) incl. cost of transport etc. as per dir of EIC. All the chemicals will be of*Krishna Conchem Products Pvt. Ltd. or Equivalent.* | sq.m | 2086.00 |
| 18068 |  | Applying two coats of alkaline rust converting primer, Feovert on the rebars, after wire brushing to remove loose rust spalls, with time interval of 6-8 hour between the coats. incl. cost of transport etc. as per dir of EIC. All the chemicals will be of *Krishna Conchem Products Pvt. Ltd. or Equivalent.* | sq.m | 142.00 |
| 18069 |  | Applying IPNet-RB (Anti – corrosive coating) to the exposed reinforcement in two coats by brush with time interval of minimum 7 hours between each coat. Conforms to IS-2770 Part-1 (Pull out Test) ASTM-3963-86 (Adhesion Test). Sprinkling dry quartz sand over the second coat of IPNet-RB when freshly applied etc. complete. incl. cost of transport etc. as per dir of EIC. All the chemicals will be of *Krishna Conchem Products Pvt. Ltd. or Equivalent.* | sq.m | 353.00 |
| 18070 |  | Providing and mixing EPCO KP 200 of *Krishna Conchem Products Pvt. Ltd. or approved equivalent*concrete penetrating corrosion inhibiting ad-mixture in the concrete at the rate 2 kg per cum. Of concrete. (Admixture to be added into wet concrete as per manufacturer's specification) | Cu.m. | 638.00 |
| 18071 |  | Applying EPCO-KP-100, concrete penetrating corrosion inhibitor by spray/ brush to the concrete so as to maintain the dosage of 4 Sqmt / Lt. In one or two application etc. complete. incl. cost of transport etc. as per dir of EIC. All the chemicals will be of *Krishna Conchem Products Pvt. Ltd. or Equivalent.* | sq.m | 253.00 |
| 18072 |  | Applying one coat of structural grade epoxy bonding coat (EPIBOND) Conforms to ASTM-C-882-87 to the prepared concrete surface to be repaired / strengthened. This is applied prior to the application of polymer repair mortar /microconcrete to have monolithic action between old concrete surface and new polymer repair mortar /micro-concrete. It is essential to ensure that the concrete surface is free from loose material, dust, dirt, etc., before applying bonding coat. incl. cost of transport etc. as per dir of EIC. All the chemicals will be of*Krishna Conchem Products Pvt. Ltd. or Equivalent.* | sq.m | 527.00 |
| 18073 |  | Repairs to the deteriorated /damaged areas of RCC elements in the structures shall be carried out by using Polymer modified repair mortar. The polymer modified mortar is applied when the epoxy bonding coat is still tacky. In one application 20 mm thickness shall be built. Subsequent layer shall be built with one bond coat of Polymer modified cement slurry. The Polymer modified repair mortar shall have the following specifications: • Cement (OPC) : 100 kg  • Clean river sand - 2.36 mm down : 300 kg Or 30-80 Graded quartz sand •Polymer latex (Monobond) : 10 kg • Water : 30 litre (Approx) Cure by spraying periodically with water for 3 days and allow to dry for next 5 days. incl. cost of transport etc. as per dir of EIC. All the chemicals will be of*Krishna Conchem Products Pvt. Ltd. or Equivalent.* | sq.m | 1130.00 |
| 18074 |  | Waterproofing of sunken slabs, toilet blocks, terraces on slabs under brickbats, roofs, watertanks. Cleaning the surface and filling cracks (if any), applying EPCO ACR wherever necessary, Providing and Moistening the surface with water to render it saturated. Mix Cement and Monobond WF in the ratio of 1.25 kg to 1 by weight and stir continuously. Apply minimum 2 coats with an interval of 12 hours minimum between the coats. Fix fiber mesh while the first coat is still tacky. Cure with sprinkling of water 3-4 times a day. incl. cost of scaffolding transport etc. as per dir of EIC. All the chemicals will be of *Krishna Conchem Products Pvt. Ltd. or Equivalent* | sq.m | 691.00 |
| 18075 |  | Providing & mixing SUPERCON-333 in external plaster as plasticizer for workability improvement & to make the plaster denser while reducing the water cement ratio, at 200gms per bag of cement. To be used in plaster externally to concrete stone or brick surfaces using approved screened sand including preparing the base, watering and applying incl. cost of transport etc. as per dir of EIC. This does not include the cost of plaster material & plastering labourAll the chemicals will be of*Krishna Conchem Products Pvt. Ltd. or Equivalent.* | sq.m | 40.00 |
| 18076 |  | Applying 2 coats of Aliphatic Acrylate, Anti-corrosive and Anti-Carbonation coating system (solvent based) on the external phase of plaster. Thoroughly wire brush the surface of plaster to remove loose dust. Apply Monopol-456 by brush with Intercoat interval of 6 hours between the coats. Ensure uniformity of material while taking from the can by shaking it thoroughly. Cleaning of brushes by thinner. Ensure the surface of plaster to be dry prior to application. incl. cost of transport etc. as per dir of EIC. All the chemicals will be of*Krishna Conchem Products Pvt. Ltd. or Equivalent.* | sq.m | 458.00 |
| 18077 |  | Providing and Applying one coat of primer followed by 2 coats of Aliphatic Acrylic system- elastomeric, Anti-corrosive and Anti-Carbonation coating system (water based) on the external phase of plaster. Thoroughly wire brush the surface of plaster to remove loose dust. Apply Monopol-456-HB by brush with Intercoat interval of 6 hours between the coats. Ensure uniformity of material while taking from the can by shaking it thoroughly. incl. cost of transport etc. as per dir of EIC. All the chemicals will be of*Krishna Conchem Products Pvt. Ltd. or Equivalent.* | sq.m | 240.00 |
| 18078 |  | Cleaning the surface and filling cracks (if any), applying epoxy putty wherever necessary, Providing and applying 3 coats of High performance moisture compatible corrosion resistant Food grade non toxic epoxy stearate coating (WATERSEAL) having impermeable film withstanding to hydrostatic pressure up to 5 kg/cm2 with a DFT of 250 microns on the prepared RCC surface. If there is honey combing or excessive unevenness in the surface then 10mm plaster in CM 1:3 should be applied on the entire surface followed by application of 2 coats of WATERSEAL with a DFT of 150 microns. incl. cost of scaffolding transport etc. as per dir of EIC. All the chemicals will be of *Krishna Conchem Products Pvt. Ltd. or Equivalent.* | sq.m | 778.00 |
| 18079 |  | Providing and applying two coats of Coal Tar Epoxy (Corroseal TE 321) on concrete surface including preparing the surface by cleaning using wire brushes, cloth, broom etc.Complete as per manufacture specification for portion below ground level. Conforms to ASTM-B-117. Incl. cost of transport etc. as per dir of EIC. All the chemicals will be of*Krishna Conchem Products Pvt. Ltd. or Equivalent.* | sq.m | 328.00 |
| 18080 |  | Providing and applying 2 coats of Anti-corrosive, chemically resistant coal tar extended epoxy coating system for below & above waterline application (Normal Wet & Underwater Application) (EPCO-2020-TX) having an adhesion of minimum 3.0 N/mm2 (ASTM-D-4541) and a DFT of 300-350 microns in 2 coats and having excellent chemical resistance against acids, alkalies and salts. Incl. cost of transport etc. as per dir of EIC. All the chemicals will be of*Krishna Conchem Products Pvt. Ltd. or Equivalent.* | sq.m | 358.00 |
| 18081 |  | Crack filler for plasters, IPS, cement sand screeds and non – structural cracks.  Do Not open the cracks, Clean the cracks so as to free them from oil, dust, loose particles etc. Moisten the surface with water, Fill cracks with EPCO – ACR using spatula or a putty knife. While applying avoid formation of cavity or bubbles. After filling , allow the surface to dry for at least 24 hours. Apply in layers at 24 hours interval. If the depth of the crack is more than 10mm. incl. cost of scaffolding transport etc. as per dir of EIC. All the chemicals will be of *Krishna Conchem Products Pvt. Ltd. or Equivalen.* | Metre | 134 |
| 18082 |  | Drilling holes of specified dia., fixing it with PVC nozzles, sealing the diaphragm with Epoxy Sealant, EPCO-1010, allow it air cure for minimum 8 hours, cutting nozzles after grouting and sealing it with EPCO-1010 etc. complete as directed. Injecting low viscous high molecular weight polymer, MONOPOL with pressure created by compressor and epoxy injector with accessories. The pressure shall be not exceeding 3-4 kg/cm2 . Grouting to be done in cracks till the nozzle refuses to accept the grout or it flows from the adjacent nozzles etc. complete. incl. cost of scaffolding transport etc. as per dir of EIC. All the chemicals will be of *Krishna Conchem Products Pvt. Ltd. or Equivalent.* | sq.m | 2331.00 |
| 18083 |  | GROUTS for Crack Injection Grouting Ultra-fine cementitious single component crack injection for structural repairs. Providing and supplying Ultra-fine cementitious grout Alccofine 1109SR manufactured by *M/s Counto Micro-fine Products Pvt Ltd, Goa or equivalent*. Material should comply to IS 14343 forMarsh Cone Viscosity of 35 to 45 seconds, shall have the Particle Size Distributionwith d95 <12 microns and minimum compressive strength of grout more than 30 MPa at 7 days. Water to grout powder ratio should not be more than 0.6 for marsh cone viscosity and compressive strength test. | sq.m | 293.00 |
| 18084 |  | Galvalume Flashings: Supply & Fixing of 0.5 mm thick Galvalume capping / Flashing from inside for Ridge and skylight areas. | Metre | 470.00 |
| 18085 |  | Aluminium Flashings: Supply & Fixing of 0.90 mm thick Aluminium Flashing as specified under first layer above In same PVDF finish of Panels up to 578mm Girth | Metre | 1174.00 |
| 18086 |  | Skylight - *Danpalon Or Equivalent* Day light Panel System: Supply & fixing of 16mm thick 600 mm width MULTIWAL MULTICELL polycarbonate system consist of: The panels shall be uniform in color with an integral Microcell core. In a cross section, the core shall be constructed of tight cells with 6 walls. Panels will be supplied with Vertical Standing Seam at both sides of the panel Snap-on connector to interlock the panels shall have a grip-lock double tooth locking mechanism to ensure maximum uplift capability & shall be of same color as that of panel for aesthetic appeal. NOTE : Necessary Steel structure to be provided by the Steel fabricator. Skylights framework to be raised by 200 mm from Roof Pan level. | sq.m | 7433.00 |
| 18087 |  | Supply & fixing of *Latchway’s or equivalent* fall protection system with Constant Force® Post suitable for aluminium roofing sheets using 4 Aluminium clamps as per the layout provided by the architect/engineer in charge. Note: Removable Transfasteners and Lanyard not included in this as they are generally available with cleaning contractors. | Metre | 7942.00 |
| 18088 |  | Providing, fabricating & fixing in position high performance, cross linked, closed cell, non-absorbent, cellular polyethylene joint filler with nominal density 60-100 kg/m3 for expansion joints. The material should have recovery of min. 95% after 50% compression. | per cm depth per cm width per m length | 5.00 |
| 18089 |  | Providing and fixing 50x50mm snap-on PVC/Vinyl/ Acrylic 90 Degrees angles surface mounted corner guards as edge protection. It should have hi impact resistance, chemical and stain resistance. The inner extruded aluminium continuous retainer should be fixed to wall/concrete surface with non corrossive fastners which are compatible with aluminium retainer. Adjustable top & bottom matching end caps, high impact vinyl acrylic snap-on matt finished, consisting of PVC cover, base, top end etc complete. 900 to 1200 high. | Metre | 1153.00 |
| 18090 |  | Providing and fixing 140x38mm Hand rail cum Crash Guard fixed on wall/concrete at about 900-1000mm high from finished floor comprising of continuous aluminium rail retainer with bumper cushion, Quick lock bracket, adjustable rail mounting base with impact absorbing strip, in/out corner conditions, end cap and high impact PVC/ vinyl/ acrylic snap-on textured surace cover complete in all respects. | Metre | 2049.00 |
| 18091 |  | Providing & fixing in position traction matting antiskid clear tape 2 inch wide (50mm) for staircase having Granite Treads. The antiskid clear tape should be minera l coated slip resistant material with pressure sensitive adhesive including cleaning, degreasing, priming to mask the surface (if required), presssing using rubber roller etc. complete. | Metre | 126.00 |
| 18092 |  | Proving and laying 120 microns waterproof plastic film/sheet as per IS 14611-1998 as a separation/slip membrane laid flat without creases and with minimum overlap of 200mm at joints, nailed to underneath Plain Cement concrete, if required as directed. | sq.m | 77.00 |
| 18093 |  | Fabrication and fixing of Aluminium composite panel cladding with thick 3mm/ 0.25mm ACP sheets, aluminium framework, with 50 X 25 X 1.2 mm thick sections. Silicon sealants etc. including accessories complete. | sq.m | 3695.00 |
| 18094 |  | Fabrication and fixing of Aluminium composite panel cladding with thick 4mm/ 0.25mm ACP sheets, aluminium framework, with 50 X 25 X 1.2 mm thick sections. Silicon sealants etc. including accessories complete. | sq.m | 4545.00 |
| 18095 |  | Providing and Fixing 30mm thick “RAJSHRI” BRAND FACTORY MADE INTERNAL PVC FLUSH DOOR SHUTTER - WOOD FREE consisting of frame made out of M.S. tubes of 19gauge thickness and size of 20mm x 40mm for stiles as well as top, bottom & lock rail . M. S. frame shall have a coat of metal primer of approved make & manufacturer. The inside panel shall consist of 20mm thick multichamber hollow PVC section of 1mm wall thickness, bonded using solvent cement / cynoacrylate adhesive with 5mm(±0.25) thick Plain/Prelam PVC sheet of Density 600 Kg/Cbm manufactured by an ISO-9000 certified company , on both side of the inside panel . All the four edge of the panel to be sealed with lipping of 10mm thick & 20 mm wide PVC sheet baton (made by sticking 2Nos. PVC sheets of 5mm(±0.25) thickness using PVC solvent cement adhesive.Door edge lipping to be painted with PVC ink of matching colour of Plain/Prelam moulded PVC sheet of door .20 mm thick (5 mm x 4 nos.)thick PVC sheet to be given for lock provison at lock height . Door to be fixed with frame with 3 nos. stainless steel butt hinges of size 100mm \*25mm \*2mm and 50mm long steel screws drilled suitable to pass through both the walls of the M.S tube.other hardwares should be fixed with 25mm\*8mm size steel screws etc, complete as per direction of Engineer-in-charge, manufacturer’s specification and drawing. | sq.m | 4308.00 |