

NAME OF WORK: REPAIRS TO THE TOILET BLOCK AT PANANTHOPPE AT THIRUBUVANAI VILLAGE

| DESCRIPTION | QUANTITY | RATE IN FIGURES | RATE IN WORDS | UNIT | AMOUNT |
|---|-----------|-----------------|---------------|---------------------------|--------|
| 1. EARTH WORK | | | | | |
| <p>ITEM NO. 1.1 CODE NO. 2.1.1 Earth work in surface excavation not exceeding 30cm in depth but exceeding 1.5m in width as well as 10sqm on plan including disposal of excavated earth upto 50m and lift upto 1.5m, disposed soil to be levelled and neatly dressed - all kinds of soil.</p> | 1.50 cum | | | 1cum (one cubic metre) | |
| <p>ITEM NO. 1.2 CODE NO. 2.3.1A Supplying and filling with good earth (excluding rock) in layers not exceeding 20cm in depth, breaking clods, watering, rolling each layer with 1/2 tonne roller, or wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes capacity including all leads and lift (payment will be made based on level measurement).</p> | 35.00 cum | | | 1cum (one cubic metre) | |

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| ITEM NO. 1.3 CODE NO. 2.8.1 Earth work in excavation in foundation trenches or drains (not exceeding 1.5m in width or 10sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5m. including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m - all kinds of soil. | 35.00 cum | | | 1cum (one cubic metre) | |
| ITEM NO. 1.4 CODE NO. 2.28 Supplying and filling in plinth with river sand under floors including, watering, ramming consolidating and dressing complete. | 15.00 cum | | | 1cum (one cubic metre) | |
| ITEM NO. 1.5 CODE NO. 2.32 Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30cm measured at a height of 1m above ground level and removal of rubbish upto a distance of 50m outside the periphery of the area cleared.(if however, only grass is met with the area will be measured and paid for under a separate item) | 177.00 sqm | | | 1sqm (one square metre) | |

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| 2. CONCRETE WORK | | | | | |
| ITEM NO. 2.1 CODE NO. 4.5.3 Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level 1:2:4 (1 cement : 2 sand : 4 graded stone aggregate 20mm nominal size). | 0.50 cum | | | 1cum (one cubic metre) | |
| ITEM NO. 2.2 CODE NO. 4.5.10 Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level 1:5:10 (1 cement : 5 sand : 10 graded stone aggregate 40mm nominal size). | 8.00 cum | | | 1cum (one cubic metre) | |
| 3. REINFORCED CEMENT CONCRETE | | | | | |
| ITEM NO. 3.1 CODE NO. 5.3 Reinforced cement concrete work in beams, suspended floors, roof having slope upto 15 degree, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral cases upto floor five level excluding cost of centring, shuttering, finishing and reinforcement with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size). | 0.40 cum | | | 1cum (one cubic metre) | |

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| ITEM NO. 3.2 CODE NO. 5.14.3 Centring and shuttering including strutting, propping etc. and removal of form for - suspended floor, roofs, landings, balconies and access platform. | 2.00 sqm | | | 1sqm (one square metre) | |
| ITEM NO. 3.3 CODE NO. 5.19 Providing, hoisting and fixing upto floor five level precast reinforced cement concrete in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like including the cost of required centring, shuttering, finishing smooth with 6mm thick cement plaster 1:3 (1 cement : 3 sand) on exposed surfaces complete but excluding cost of reinforcement with 1:2:4 (1 cement : 2 sand : 4 graded stone aggregate 20mm nominal size). | 1.10 cum | | | 1cum (one cubic metre) | |
| ITEM NO. 3.4 CODE NO. 5.29.3B Reinforcement for RCC works including straightening, cutting, bending, placing in position and binding all complete - Thermo Mechanical Treated bars (TMT) VIZAG/IISCO/SAIL/TISCON | 225.00 kg | | | 1kg (one kilogram) | |

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| 4. BRICK WORK | | | | | |
| ITEM NO. 4.1 CODE NO. 6.1.10 Brick work with bricks of class designation 35 in foundation and plinth in - cement mortar 1:6 (1 cement : 6 sand). | 13.00 cum | | | 1cum (one cubic metre) | |
| ITEM NO. 4.2 CODE NO. 6.3 Extra for brick work in superstructure above plinth level upto floor five level. | 1.00 cum | | | 1cum (one cubic metre) | |
| ITEM NO. 4.3 CODE NO. 6.18.4 Half brick masonry with bricks of class designation 35 in foundation and plinth in - cement mortar 1:4 (1 cement : 4 sand). | 9.00 sqm | | | 1sqm (one square metre) | |
| ITEM NO. 4.4 CODE NO. 6.19 Extra for half brick masonry in superstructure, above plinth level upto floor five level. | 5.00 sqm | | | 1sqm (one square metre) | |
| 5. WOOD WORK | | | | | |
| ITEM NO. 5.1 CODE NO. 9.229 Providing and fixing godrej nov-tal lock - 65mm size | 8.00 no. | | | 1no. (one number) | |

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| 6. STEEL WORK | | | | | |
| ITEM NO. 6.1 CODE NO. 10.7.1 Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6mm angle iron and 3mm M.S. gusset plates at the junction and corners, all nessesary fittings complete,including applying a priming coat of approved steel primer- using M.S. angles 40x40x6mm for diagonal braces. | 8.10 kg | | | 1kg (one kilogram) | |
| 7. FLOORING | | | | | |
| ITEM NO. 7.1 CODE NO. 11.4.3 Cement concrete flooring 1:2:4(1 cement: 2 coarse sand: 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, rounding off edges and strips etc. but excluding the cost of nosing of steps etc. complete - 50mm thick with 20mm nominal size stone aggregate. | 33.00 sqm | | | 1sqm (one square metre) | |
| ITEM NO. 7.2 CODE NO. 11.36A Colour glazed tiles of minimum thickness 5mm in flooring treads of steps and landings laid on a bed of 10mm thick cement mortar 1:3 (1 cement : 3 sand) finished with flush pointing in white cement and matching pigment etc. | 8.00 sqm | | | 1sqm (one square metre) | |

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| ITEM NO. 7.3 CODE NO. 11.41A.4 Tile work in skirting, risers of steps and dado (upto 2 m height) over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 sand) and jointed with grey cement slurry @ 3.3 kg/sqm including pointing in white cement mixed with pigment of matching shade complete. factory printed glazed tiles 5 mm thick. | 27.00 sqm | | | 1sqm (one square metre) | |
| 8. FINISHING | | | | | |
| ITEM NO. 8.1 CODE NO. 13.8.3 12 mm cement plaster of mix - 1:5 (1 cement : 5 fine sand). | 22.76 sqm | | | 1sqm (one square metre) | |
| ITEM NO. 8.2 CODE NO. 13.9.4 15 mm cement plaster on the rough side of single or half brick wall of mix - 1:6 (1 cement : 6 fine sand). | 13.00 sqm | | | 1sqm (one square metre) | |
| ITEM NO. 8.3 CODE NO. 13.16.2 20 mm cement plaster finished with a floating coat of neat cement of mix - 1:4 (1 cement : 4 fine sand). | 25.00 sqm | | | 1sqm (one square metre) | |

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| ITEM NO. 8.4 CODE NO. 13.36.6 Extra for providing and mixing water proofing material in proportion recommended by the manufacturers - 20 mm cement plaster 1:4 (1 cement : 4 sand). | 25.00 sqm | | | 1sqm (one square metre) | |
| ITEM NO. 8.5 CODE NO. 13.73.2 Colour washing such as green, blue or buff to give an even shade - new work (two or more coats) with a base coat of whitening. | 7.00 sqm | | | 1sqm (one square metre) | |
| ITEM NO. 8.6 CODE NO. 13.82.1 Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade - new steel work (two or more coats). | 16.20 sqm | | | 1sqm (one square metre) | |
| ITEM NO. 8.7 CODE NO. 13.92.1 Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade. - two or more coats on new work | 2.00 sqm | | | 1sqm (one square metre) | |

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| 9. REPAIRS TO BUILDINGS | | | | | |
| ITEM NO. 9.1 CODE NO. 14.1.1 Repairs to plaster of thickness 12mm to 20mm in patches of area 2.5 sqm 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 50 metres lead: with cement mortar 1:4 (1 cement, 4 fine sand). | 19.00 sqm | | | 1sqm (one square metre) | |
| ITEM NO. 9.2 CODE NO. 14.76.3 White washing with whiting to give an even shade - old work (one or more coats). | 18.00 sqm | | | 1sqm (one square metre) | |
| ITEM NO. 9.3 CODE NO. 14.77.4 Colour washing such as green, blue or buff to give an even shade - old work (two or more coats) with whiting. | 203.00 sqm | | | 1sqm (one square metre) | |
| ITEM NO. 9.4 CODE NO. 14.78 Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete. | 203.00 sqm | | | 1sqm (one square metre) | |

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| ITEM NO. 9.5 CODE NO. 14.83.3 Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade - old steel work (one or more coats). | 8.00 sqm | | | 1sqm (one square metre) | |
| 10. DISMANTLING AND DEMOLISHING | | | | | |
| ITEM NO. 10.1 CODE NO. 15.2.2 Demolishing cement concrete including disposal of material within 50 metres lead; - 1:4:8 or leaner mix. | 1.00 cum | | | 1cum (one cubic metre) | |
| ITEM NO. 10.2 CODE NO. 15.7.4 Demolishing brick work including stacking of serviceable material and disposal of unserviceable material within 50 metres lead;-in cement mortar. | 1.20 cum | | | 1cum (one cubic metre) | |
| ITEM NO. 10.3 CODE NO. 15.13.1 Taking out doors,windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead-of area 3 sqm. and below | 6.00 no. | | | 1no. (one number) | |

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| ITEM NO. 10.4 CODE NO. 15.56 Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead. | 27.00 sqm | | | 1sqm (one square metre) | |
| 11. SANITARY INSTALLATIONS | | | | | |
| ITEM NO. 11.1 CODE NO. 19.14A.1 Extra for using coloured W.C. pan instead of white W.C. pan orissa pattern W.C. pan 580 x 440 mm. | 6.00 no. | | | 1no. (one number) | |
| ITEM NO. 11.2 CODE NO. 19.14.2 Providing and fixing white vitreous china water closet squatting pan (Indian type) - Orissa pattern W.C. pan of size 580 x 440mm | 6.00 no. | | | 1no. (one number) | |
| ITEM NO. 11.3 CODE NO. 19.47.1 Providing and fixing on wall/column face unplasticised - PVC (working pressure 4 kg/sqcm) soil and waste pipes conforming to IS : 4985 including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion - single socketed pipes 110mm diameter | 14.00 metre | | | 1metre (one metre) | |

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| ITEM NO. 11.4 CODE NO. 19.47.1D Providing and fixing on wall face/column face unplasticised - PVC moulded fittings/accessories for unplasticised - PVC soil and waste pipes conforming to IS : 4985 including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion - bend with door 110mm. | 6.00 no. | | | 1no. (one number) | |
| ITEM NO. 11.5 CODE NO. 19.48.1.1B Providing and fixing PVC waste and vent pipe including jointing by rubber gasket with PVC lubricant with slipring to be filled up including cutting and making good the walls wherever necessary-75mm dia. outer diameter.(4kg/sq.cm). | 4.00 metre | | | 1metre (one metre) | |
| ITEM NO. 11.6 CODE NO. 19.48.1.1C Providing and fixing PVC waste and vent pipe including jointing by rubber gasket with PVC lubricant with slipring to be filled up including cutting and making good the walls wherever necessary-140mm dia. outer diameter.(4kg/sqcm). | 20.00 metre | | | 1metre (one metre) | |

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| ITEM NO. 11.7 CODE NO. 19.49.1C Providing and fixing unplasticised PVC pipe clips of approved design to unplasticised PVC soil and waste pipes by means of 50x50x50mm hard wood plugs, screwed with M.S.screws of required length including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete - 110mm | 8.00 no. | | | 1no. (one number) | |
| ITEM NO. 11.8 CODE NO. 19.67.2.1A Providing and fixing PVC terminal guard (vent cowl) with necessary lubricant and slip ring fixing complete - 75mm | 1.00 no. | | | 1no. (one number) | |
| 12. WATER SUPPLY | | | | | |
| ITEM NO. 12.1 CODE NO. 20.2.1.1 Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. (internal work) exposed on walls - 15mm nominal bore (1.22 kg/m). | 9.00 metre | | | 1metre (one metre) | |

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| ITEM NO. 12.2 CODE NO. 20.2.1.2 Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc.(internal work) exposed on walls - 20mm nominal bore (1.58 kg/m). | 5.00 metre | | | 1metre (one metre) | |
| ITEM NO. 12.3 CODE NO. 20.2.1.3 Providing and fixing G.I.pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. (internal work) exposed on wall - 25mm nominal bore (2.44 kg/m). | 13.00 metre | | | 1metre (one metre) | |
| ITEM NO. 12.4 CODE NO. 20.3.3 Providing and fixing G.I pipes complete with G.I fittings including trenching and refilling and etc. (external work) - 25 mm dia nominal bore | 20.00 metre | | | 1metre (one metre) | |
| ITEM NO. 12.5 CODE NO. 20.9.3 Providing and fixing brass gate valve with C.I. wheel of approved quality (screwed end) - 25mm nominal bore. | 4.00 no. | | | 1no. (one number) | |

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| ITEM NO. 12.6 CODE NO. 20.87.3 Providing and fixing G.I union in G.I pipe including cutting and threading the pipe and making long screws etc. complete (new work). 25mm nominal bore. | 3.00 no. | | | 1no. (one number) | |
| ITEM NO. 12.7 CODE NO. 20.89 Providing and placing on terrace (at all floor levels) polyethylene water storage tank of approved brand and manufacture with cover and suitable locking arrangement and making necessary holes for inlet, outlet, over flow pipes with all fittings but without the base support for tank. | 1000.00 litre | | | 1litre (one litre) | |
| 13. DRAINAGE | | | | | |
| ITEM NO. 13.1 CODE NO. 21.19.1 supplying and fixing C.I. cover without frame for manholes - 455 x 610 mm rectangular C.I. cover (light duty) the weight of the cover to be not less than 23 kg. | 1.00 metre | | (one metre) | 1metre | |

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| <p>ITEM NO. 13.2 CODE NO. 21.33.1.2 Constructing brick masonry chamber for underground C.I.inspection chamber and bends with 35 class designation bricks in cement mortar 1:5 (1 cement : 5 fine sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) foundation concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement :3 coarse sand) finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design - inside dimensions 455 x 610 mm and 45 cm deep for single pipe line. - With 35 class designation bricks.</p> | 2.00 no. | | | 1no. (one number) | |
| <p>ITEM NO. 13.3 CODE NO. 21.33.3.2 Constructing brick masonry chamber for underground C.I.inspection chamber and bends with 35 class designation bricks in cement mortar 1:5 (1 cement : 5 sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg</p> | | | | | |

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| and weight of frame 15 kg) R.C.C. top slab with 1:2:4 mix (1 cement : 2 sand : 4 graded stone aggregate 20 mm nominal size) foundation concrete 1:5:10 (1 cement : 5 sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement :3 sand) finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design - inside dimensions 600 x 850 mm and 45 cm deep for pipe line with three or more inlets. | 2.00 no. | | | 1no. (one number) | |
| ITEM NO. 13.4 CODE NO. 21.39.2 Making soak pit 2.5m diameter 3.0 metre deep with 45x45cm dry brick honey comb shaft with bricks of class designation 35 and S.W drain pipe 100mm diameter, 1.8m long complete as per standard design - with brick of class designation 35. | 1.00 no. | | | 1no. (one number) | |
| 14. INTERNAL ROADS | | | | | |
| ITEM NO. 14.1 CODE NO. 8.6A Painting new letters and figures of any shade with synthic enamel paint black or any other approved colour to give an even shade - Hindi (matras commas and the like not to be measured and paid for half letters shall be counted as half) | 750.00 metre | | | 1metre (one metre) | |