VILLIANUR COMMUNE PANCHAYAT -
VILLIANUR -

NAME OF WORK :- Construction of Multipurpose Hall at Poraiyurpet in Villianur commune

ABSTRACT OF ESTIMATE -

<table>
<thead>
<tr>
<th>Item No</th>
<th>Description of Items</th>
<th>Qty</th>
<th>Rate</th>
<th>Unit</th>
<th>Amount</th>
</tr>
</thead>
</table>

BUILDING WORK

1. EARTH WORK

1.1 CODE NO. 2.8.1
Earth work in excavation by mechanical means (Hydraulic excavator)/manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm 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. 165.00 cum

1.2 CODE NO. 2.25
Filling available excavated earth (excluding rock) in trenches,
NIT

plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50m and lift upto 1.5m.  78.00  cum

cum

1.3 CODE NO. 2.26.1
Extra for every additional lift of 1.5m or part thereof in - All kinds of soil.  18.50  cum

cum

1.4 CODE NO. 2.27
Supplying and filling in plinth with sand under floors including, watering, ramming consolidating and dressing complete.  25.00  cum

cum

1.5 CODE NO. 2.27A
Supplying and filling with good earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth consolidating each deposited layers by ramming and watering etc. complete including all lead and lift.  139.00  cum

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2. CONCRETE WORK

2.1 CODE NO. 4.1.10
Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering. All work up to plinth level 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40mm nominal size) 28.50 cum

2.2 CODE NO. 4.1.11A
Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:5:10 (1 cement : 5 sand : 10 graded brick aggregate 40mm nominal size). 0.70 cum

3. REINFORCED CONCRETE WORK

3.1 CODE NO. 5.1.2
Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement - All work up to
3.2 CODE NO. 5.2.1
Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level excluding cost of centering, shuttering, finishing and reinforcement: 1:1:2 (1 cement : 1 coarse sand : 2 graded stone aggregate 20mm nominal size) 8.10 cum

3.3 CODE NO. 5.3.1
Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15 degree landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size). 35.00 cum
3.4 CODE NO. 5.9.1
Centring and shuttering including strutting, propping etc. and removal of form for: Foundations, footings, bases of columns, etc. for mass concrete.- Using steel sheet with M.S. frames

3.5 CODE NO. 5.9.3
Centring and shuttering including strutting, propping etc. and removal of form for: suspended floors, roofs, landings, balconies and access platform - Using steel sheet with M.S. frames

3.6 CODE NO. 5.9.5
Centring and shuttering including strutting, propping etc. and removal of form for: lintels, beams, plinth beams, girders, bressumers and cantilevers.- Using steel sheet with M.S. frames

3.7 CODE NO. 5.9.6
Centring and shuttering including strutting, propping etc. and removal of form for: columns, pillars, piers, abutments, posts and struts.- Using steel sheet with M.S. frames

24.00 sqm

198.00 sqm

259.00 sqm

146.00 sqm
3.8 CODE NO. 5.9.7
Centring and shuttering including strutting, propping etc. and removal of form for: Stairs (excluding landings) except spiral staircases - with water proof ply 12mm thick, mango / silver wood scantling and casurina poles

3.9 CODE NO. 5.12
Providing , hoisting and fixing upto floor five level precast reinforced cement concrete work 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 6 mm thick cement plaster 1:3 (1 cement : 3 fine sand) on exposed surfaces complete but excluding cost of reinforcement with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)

3.10 CODE NO. 5.16
Providing , hoisting and fixing upto floor five level precast reinforced cement concrete in shelves including setting in
cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centring, shuttering and finishing with neat cement punning on exposed surfaces but excluding the cost of reinforcement with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size).

0.40 cum

cum-

3.11 CODE NO. 5.22.7
Reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete - Thermo-Mechanically treated bars (ISI BRAND OF APPROVED MAKE) including placing the M30 grade Atheses make cover block @ 60cm centre to centre 10839.39 Kg

4.BRICK WORK-

4.1 CODE NO. 6.2.2
Brick work with modular bricks of class designation 35 in foundation and plinth in cement mortar 1:6 (1 cement: 6 coarse sand) 26.00 cum

cum-

4.2 CODE NO. 6.4.2
Brick work with FPS bricks of class designation 35 in superstructure above plinth level
NIT

upto floor V level in all shapes and sizes in cement mortar 1:6 (1 cement : 6 coarse sand) 58.00 cum

cum-

4.3 CODE NO. 6.13.1
Half brick masonry with FPS bricks of class designation 35 in superstructure above plinth level upto floor V level in cement mortar 1:3 (1 cement : 3 coarse sand 48.00 sqm

sqm-

4.4 CODE NO. 6.15
Extra for providing and placing in position 2 nos. 6mm dia MS bars at every third course of half brick masonry (with FPS bricks). 48.00 sqm

sqm-

5.WOOD WORK-

5.1 CODE NO. 9.1.2P
Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position - Padak wood 0.47 Cum

Cum-

5.2 CODE NO. 9.5.1.1D
Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position - Padak wood 6.50 sqm

sqm
5.3 CODE NO. 9.20.2
Providing and fixing ISI marked flush door shutters conforming to IS:2202 (Part 1) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. - 30mm thick including ISI marked stainless steel butt hinges with necessary screws

<table>
<thead>
<tr>
<th>sqm</th>
<th>8.50</th>
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</thead>
</table>

5.4 CODE NO. 9.53
Providing 40x5 mm flat iron hold fast 40cm long including fixing to frame with 10mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size)

<table>
<thead>
<tr>
<th>each</th>
<th>30.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>sqm</td>
<td>30.00</td>
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</table>

5.5 CODE NO. 9.56.1
Providing and fixing IS : 1341 marked M.S.heavy weight butt hinges with necessary screws etc.complete : 125x90x4.00mm

<table>
<thead>
<tr>
<th>each</th>
<th>12.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>sqm</td>
<td>12.00</td>
</tr>
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</table>
5.6  CODE NO. 9.60.1R  
Providing and fixing powder coating. double acting spring hinges with necessary screws etc. complete - 150 mm  
3.00 each

5.7  CODE NO. 9.63.1R  
Providing and fixing ISI marked powder coating tower bolt black finish, (barrel type) with necessary screws etc. complete: - 250 x 10mm  
6.00 each

5.8  CODE NO. 9.63.3R  
Providing and fixing ISI marked powder coating. tower bolt black finish, (barrel type) with necessary screws etc. complete: - 150 x 10 mm  
4.00 each

5.9  CODE NO. 9.66.1R  
Providing and fixing ISI marked powder coating handles conforming to IS : 4992 with necessary screws etc. complete: 125mm  
5.00 each

5.10 CODE NO. 9.134.1  
Providing and fixing of 65mm Godrej Navtal lock of 6 levers etc complete  
4.00 no

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6. FLOORING

6.1 CODE NO. 11.3.1
Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete. 40mm thick with 20mm nominal size stone aggregate.

43.00
Sqm

6.2 CODE NO. 11.36A
Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacture of approved make (Jhonson / Asian / Somany / Nitco) in all colours, shades of size 200 x 300 mm as approved in skirting, risers of steps and dados over 12mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm. Including pointing in white cement mixed with pigment of matching shade complete. - size 200x300mm

40.00
sqm
6.3 CODE NO. 11.37.1
Providing and laying ceramic glazed floor tiles 300X300mm (thickness to be specified by the manufacture) of 1st quality conforming to IS : 15622 of approved make (Nitco / Kajaria) in colours such as white, ivory, grey, fume red, brown laid on 20mm thick cement mortar 1:4 (1 cement : 4 Coarse sand) including pointing the joints with white cement and matching pigment etc., complete

7.00 sqm

7.1 CODE NO. 12.20
Providing and laying pressed clay tiles (as per approved pattern 20mm nominal thickness and of approved size) on roofs jointed with cement mortar 1:4 (1 cement : 4 coarse sand) mixed with 2% integral waterproofing compound laid over a bed of 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) and finished neat complete.

128.00 Sgm

7.2 CODE NO. 12.20L
Lime concrete terracing on roofs of required thickness laid to fall with 25mm nominal size brick aggregate and 50% lime mortar 1:2 (1 lime putty : 2 surkhi) rammed and finished with gur and belgiri treatment complete including rounding of junctions with parapet wall complete

7.3 CODE NO. 12.41.1
Providing and fixing on wall face unplasticised rigid PVC rain water pipes conforming to IS : 13592 type A including jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion, (i) single socketed pipes. 75mm diameter.

7.4 CODE NO. 12.41.2
Providing and fixing on wall face unplasticised rigid PVC rain water pipes conforming to IS : 13592 type A including jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion, (i) single socketed pipes. 110mm diameter.

7.5 CODE NO. 12.42.3.1
Providing and fixing on wall face
<table>
<thead>
<tr>
<th>No</th>
<th>7.6</th>
<th>CODE NO. 12.42.5.1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Providing and fixing on wall face unplasticised- PVC moulded fittings / accessories for unplasticised rigid PVC rain water pipes conforming to IS : 13592 type A including jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion. Bend 87.5deg. 75mm bend.</td>
<td>3.00</td>
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</table>

<table>
<thead>
<tr>
<th>No</th>
<th>7.7</th>
<th>CODE NO. 12.42.5.2</th>
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<tbody>
<tr>
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<td>Providing and fixing on wall face unplasticised- PVC moulded fittings / accessories for unplasticised rigid PVC rain water pipes conforming to IS : 13592 type A including jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion. Bend 87.5deg. 110mm bend</td>
<td>10.00</td>
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</table>
7.8 CODE NO. 12.42.6.2
Providing and fixing on wall face unplasticised- PVC moulded fittings / accessories for unplasticised rigid PVC rain water pipes conforming to IS : 13592 type A including jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion. Shoe (plain)110mm shoe. 10.00 no -

7.9 CODE NO. 12.43.2
Providing and fixing unplasticised - PVC clips of approved design to unplasticised - PVC rain water 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 30.00 No

8. FINISHING -

8.1 CODE NO. 13.2.2
15mm cement plaster on the rough side of single or half brick wall of mix: cement mortar 1:6 (1 cement : 6 fine sand) 305.00 sqm

8.2 CODE NO. 13.6.1 -
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Rate</th>
<th>Unit</th>
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<tbody>
<tr>
<td>13.8.3</td>
<td>20 mm cement plaster of mix 1 : 4 (1 cement : 4 coarse sand)</td>
<td>29.00</td>
<td>sqm</td>
</tr>
<tr>
<td>13.16.1</td>
<td>12 mm cement plaster of mix - 1 : 5 (1 cement : 5 fine sand)</td>
<td>601.00</td>
<td>sqm</td>
</tr>
<tr>
<td>13.16.1</td>
<td>6 mm cement plaster of mix 1 : 3 (1 cement : 3 fine sand)</td>
<td>288.00</td>
<td>sqm</td>
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</table>
8.5 CODE NO. 13.21
Extra for providing and mixing water proofing material in cement plaster work in proportion recommended by the manufacturers. 5.00 bag of cement

8.6 CODE NO. 13.28.1
12mm thick plain cement mortar bands in cement mortar 1:4 (1 cement : 4 fine sand) - Flush Band. (Cost for 1 metre long and 1 cm wide band) 199.00 unit

8.7 CODE NO. 13.39.2
Colour washing such as green, blue or buff to give an even shade - New work (two or more coats) with a base coat of whiting. 308.00 sqm

8.8 CODE NO. 13.41.1
Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade - New work (two or more coats) over and including priming coat with cement primer. 304.00 sqm

8.9 CODE NO. 13.44.1
Finishing walls with water proofing cement paint of required shade - New work. (Two or more
NIT

coats applied @ 3.84 kg/10 sqm) 601.00 sqm

8.10 CODE NO. 13.50.1
Applying priming coat - with ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood). 20.00 sqm

8.11 CODE NO. 13.61.1
Painting with synthetic enamel paint of approved brand and manufacture to give an even shade - Two or more coats on new work. 20.00 sqm

9. MISCELLANEOUS BUILDING WORK

9.1 CODE NO. 16.95
Supplying fixing and commisioning of Suguna/ Texmo /Sharp 1 HP monoblock pumpset slow speed single phase motor. The rate include the cost of pumpset, pumpset fixing in position and test run etc. complete. 1.00 each

to /root/convert/apache-tomcat-6.0.20/temp/13-Multipurpose Hall Poraiyurpet6619737724124684021.doc
pillar taps 32 mm CP brass waste of standard pattern including painting of fittings and brackets, cutting and making good the walls wherever required White vitreous china flat back wash basin size 550x400mm with single 15mm CP brass pillar taps.

10.2 CODE NO. 17.13.2
Providing and fixing white vitreous china water closet squatting pan (Indian type) Orissa pattern WC pan of size 580 x 440 mm.

10.3 CODE NO. 17.31
Providing and fixing 600x450mm bevelled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P brass screws and washers complete.

10.4 CODE NO. 17.73.1
Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour 450 mm long towel rail
with total length of 495mm, 78mm wide and effective height of 88mm, weighing not less than 170gm.

11.1 CODE NO. 18.11.2
Concealed pipe including painting with anticorrosive bitumastic paint, cutting chases and making good the wall 20 mm dia nominal bore.

11.2 CODE NO. 18.12.3
Providing and fixing GI pipes complete with GI fittings including trenching and refilling etc. (external work) - 25 mm dia nominal bore.

11.3 CODE NO. 18.14
Fixing water meter and stop cock in GI pipe line including cutting and threading the pipe and making long screws etc. complete (cost of water meter and stop cock to be paid separately). with stop cock

2.00 no.

30.00 metre

20.00 metre

1.00 meter with stop cock.
11.4 CODE NO. 18.48
Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI: 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet outlet and overflow pipes but without fittings and the base support for tank
2000.00 litre-
litre

12. DRAINAGE -

12.1 CODE NO. 19.33
Making soak pit 2.5 m diameter 3 m deep with 45 x 45 cm dry brick honeycomb shaft with bricks of class designation 75 and SW drain pipe 100 mm diameter 1.8 m long complete as per standard design with F.P.S bricks. 1.00 soak pit

13. ALUMINIUM WORK -

13.1 CODE NO. 21.1.1.1
Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections / appropriate Z sections and other sections of approved make conforming to IS : 733 and IS
NIT

: 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC / neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings. (Glazing and panelling to be paid for separately) : For fixed portion.

Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)

150.00 Kg

Kg

13.2 CODE NO. 21.3.2
Provisioning and fixing glazing in aluminium door, window, ventilator shutters and partitions etc., with PVC / neoprene gasket etc., complete as per the architectural drawings. (cost of aluminium snap beading shall be paid in basic item) : With float glass panes of 5mm thickness.

25.00 Sqm

Sqm
14. WATER SUPPLY (PUBLIC HEALTH)

14.1 CODE NO. 31.9.3
Providing and fixing brass gate valve with C.I. wheel of approved quality (screwed end) - 25mm nominal bore. 4.00 each

14.2 CODE NO. 31.10.3.3
Providing and fixing ball valve (brass) of approved quality complete - high or low pressure with plastic floats - 25mm nominal bore. 1.00 each