



PROCEEDINGS OF THE COCHIN DEVASWOM BOARD

Constructing 4 Numbers toilet block at Kulassery temple – Kulassery
Devaswom – Thrissur.

- Read
1. Note from AE dt. 10-01-24
 2. Note from AEE dt. 17-01-2024
 3. Note from EE dt. 17-01-2024
 4. Decision of DC dt. 22-01-2024

Order on H1. 2209/23 dt. 31-01-2024

As per the papers cited above an estimate of Rs. 3,39,000/- (Rupees Three lakh and thirty nine thousand only) is passed and sanction is accorded to execute the above work after inviting local quotations.

The sealed quotations should be received in this office on or before 08-02-2024 at 3 P.M. and will be opened at 3.30 P.M. on the same day in the presence of Executive Engineer, Cochin Devaswom Board/higher officials of Cochin Devaswom Board, Thrissur.

The sealed quotations should be addressed to the Executive Engineer, Cochin Devaswom Board, Thrissur and should contain the PAN number of the quotationer.

A copy of the estimate along with notification is herewith forwarded to Devaswom commissioner, Devaswom Assistant Commissioner, Thrissur for exhibiting in their office Notice boards.

(By Order)

Sd/-

M.K. Dileep
Assistant Engineer

To

Notice Board, AC- Thrissur
CA to DC, EE, AEE, AE,
S.F,

//Approved for issue//

Junior Superintendent

TS Register No: 4057/2023-2024

AS Register No:4227/2023-2024

Constructing 4 nos toilet block at Kulassery Mahavishnu temple, KulasseryDevaswom, Thrissur Group

Abstract Estimate

(Dsor year: 2018, Cost Index Applied for this estimate is 35.59%)

1 Earthwork		
1	2.6.1 Earth work 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 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed. All kinds of soil	
Net Total Quantity		5.840 cum
Say 5.840 cum @ Rs 214.03 / cum		Rs 1249.94
2	60.7.1 DRY RUBBLE MASONRY _ Dry rubble without concrete levelling course masonry with good quality blasted rubble including packing to compactness to lines and levels cost and conveyance of all materials labour charges etc. complete as per direction of Departmental officers at site	
Net Total Quantity		5.800 cum
Say 5.800 cum @ Rs 3491.44 / cum		Rs 20250.35
2 Random rubble		
1	7.1.1 Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) up to plinth level with: Cement mortar 1:6 (1 cement : 6 coarse sand)	
Net Total Quantity		3.400 cum
Say 3.400 cum @ Rs 7204.78 / cum		Rs 24496.25
3 Solid block		
1	50.6.2.2 Solid masonry using pre cast solid blocks (factory made) of size 30x20x15cm or nearest available size confirming to IS 2185 part I of 1979 for super structure up to floor two level with thickness 15cm in : CM 1:6 (1 cement : 6 coarse sand) etc complete	
Net Total Quantity		3.910 cum
Say 3.910 cum @ Rs 6984.85 / cum		Rs 27310.76
4 concrete		

1	5.3 Reinforced cement concrete work in beams, suspended floors, roofs, having slope up to 15 ⁰ 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 (Zone III) : 3 graded stone aggregate 20 mm nominal size).	
Net Total Quantity		1.650 cum
Say 1.650 cum @ Rs 11492.88 / cum		Rs 18963.25
5 Centering shuttering		
1	5.9.3 Centering and shuttering including strutting, etc. and removal of form for:Suspended floors, roofs, landings, balconies and access platform	
Net Total Quantity		18.250 sqm
Say 18.250 sqm @ Rs 815.78 / sqm		Rs 14887.98
6 steel reinforcement		
1	5.22A.1 Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete above plinth level.Mild steel and Medium Tensile steel bars	
Net Total Quantity		124.000 kilogram
Say 124.000 kilogram @ Rs 96.68 / kilogram		Rs 11988.32
7 cement concrete		
1	4.1.5 Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	
Net Total Quantity		0.750 cum
Say 0.750 cum @ Rs 7367.55 / cum		Rs 5525.66
8 cement platering		
1	13.1.1 12 mm cement plaster of mix:1:4 (1 cement : 4 fine sand)	
Net Total Quantity		40.000 sqm
Say 40.000 sqm @ Rs 314.09 / sqm		Rs 12563.60
9 Ceiling platering		
1	50.13.1 9 mm cement plastering of mix : 1:3 (1 cement : 3 fine sand) including all cost of materials, labour charges etc complete	
Net Total Quantity		14.000 sqm
Say 14.000 sqm @ Rs 291.32 / sqm		Rs 4078.48

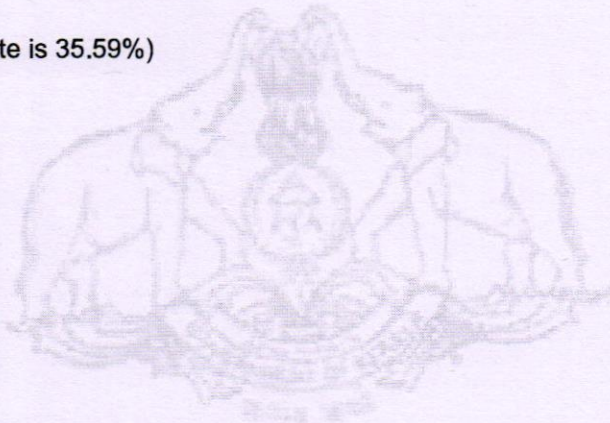
10 Dadoing		
1	<p>11.37A</p> <p>Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS :15622 (thickness to be specified by the manufacturer) of approved make in allcolours, shades except burgundy, bottle green, black of any size as approvedby Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thickbed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cementslurry @ 3.3kg per sqm including pointing in white cement mixed with pigmentof matching shade complete.</p>	
Net Total Quantity		26.150 sqm
Say 26.150 sqm @ Rs 1092.18 / sqm		Rs 28560.51
11 Ceramic floor tiling		
1	<p>11.37</p> <p>Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), including pointing the joints with white cement and matching pigment etc., complete.</p>	
Net Total Quantity		24.000 sqm
Say 24.000 sqm @ Rs 1091.02 / sqm		Rs 26184.48
2	<p>9.117.2</p> <p>Providing and fixing factory made uPVC door frame made of uPVC extruded sections having an overall dimension as below (tolerance ± 1 mm), with wall thickness 2.0mm (± 0.2 mm), corners of the door frame to be jointed with galvanized brackets and stainless steel screws, joints mitred and plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 x 19 mm and 1 mm (± 0.1 mm) wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturer's specification and direction of Engineer-in-chargeExtruded section profile size 42x50 mm</p>	
Net Total Quantity		19.000 metre
Say 19.000 metre @ Rs 314.77 / metre		Rs 5980.63
3	<p>9.118.2</p> <p>Providing and fixing to existing door frames30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a uPVC hollow section of size 60x30 mm and wall thickness 2 mm (± 0.2 mm), with inbuilt decorative moulding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanised/plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 25x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x30 mm and 2 mm (± 0.2 mm) wall thickness fixed to the shutter styles by means of plastic/galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge.</p>	
Net Total Quantity		4.726 sqm
Say 4.726 sqm @ Rs 2329.03 / sqm		Rs 11007.00

4	17.2.1 Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:W.C. pan with ISI marked white solid plastic seat and lid	
Net Total Quantity		3.000 each
Say 3.000 each @ Rs 6192.67 / each		Rs 18578.01
5	17.1.1 Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm Sand Cast Iron P or S trap, 10 litter low level white P.V.C.flushing cistern, including flush pipe, manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever require:White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	
Net Total Quantity		1.000 each
Say 1.000 each @ Rs 6381.61 / each		Rs 6381.61
12 Water tank		
1	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.	
Net Total Quantity		1000.000 Litre
Say 1000.000 Litre @ Rs 10.37 / Litre		Rs 10370.00
13 25mm PVC pipe,10Kgf/cm2		
1	50.18.9.13.2 Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 25 mm dia 10 Kgf/cm2- External work - Exposed on wall	
Net Total Quantity		15.000 metre
Say 15.000 metre @ Rs 275.89 / metre		Rs 4138.35
14 32mm PVC 6Kgf/cm2		
1	50.18.9.14.2 Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. this includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 32 mm dia 6 Kgf/cm2 - External work - Exposed on wall	
Net Total Quantity		8.000 metre
Say 8.000 metre @ Rs 309.78 / metre		Rs 2478.24
15 50mm PVC 6Kgf/cm2		

1	50.18.9.16.2 Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 50 mm dia 6Kgf/cm2 - External work - Exposed on wall	
Net Total Quantity		5.000 metre
Say 5.000 metre @ Rs 385.16 / metre		Rs 1925.80
16 110mm PVC 6Kgf/Cm2		
1	50.18.9.9.1 Providing and fixing PVC pipes includings jointing of pipes with one step PVC solvent cement, trenching, refilling & testing of Joints complete as per direction of engineer in charge.110 mm dia 6Kgf/cm2	
Net Total Quantity		5.000 metre
Say 5.000 metre @ Rs 526.17 / metre		Rs 2630.85
2	50.18.9.17.1 Providing and fixing PVC pipes including fixing the pipe with clamps/ clip at 1.00 m spacing . This includes jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 63 mm dia 6 Kgf/cm2 - External work - Exposed on wall	
Net Total Quantity		2.000 metre
Say 2.000 metre @ Rs 268.30 / metre		Rs 536.60
3	50.18.7.5.2 Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge 40 mm dia 6Kgf/cm2 - Internal work - Exposed on wall	
Net Total Quantity		1.500 metre
Say 1.500 metre @ Rs 366.05 / metre		Rs 549.08
4	od286572/2023_2024 Supplying and fixing PVC long body tap	
Net Total Quantity		5.000 each
Say 5.000 each @ Rs 92.92 / each		Rs 464.60
17 White cement washing		
1	od286571/2023_2024 Cleaning and white cement washing 2 coat over new surface	
Net Total Quantity		54.000 per sqm
Say 54.000 per sqm @ Rs 67.28 / per sqm		Rs 3633.12
18 Supplying and fixing ferro cement readymade septic tank and soak pit		
Lump-Sum Total		Rs 15000.00
19 Providing ventilator on actuals		
Lump-Sum Total		Rs 6000.00

	20 Contingencies such as other unforeseen items on actuals	
Lump-Sum Total		Rs 1267.00
	Service Tax @	18.0%
Service Tax Amount		51660.07
Total with Service Tax Amount		338660.07
Lumpsum for round off		339.93
		TOTAL Rs 339000.00
		Rounded Total Rs 3,39,000
		Rupees Three Lakh Thirty Nine Thousand Only

(Cost Index Applied for this estimate is 35.59%)



Other Engineering Organisations
PRICE