

TAMIL NADU POLICE HOUSING CORPORATION LIMITED

SALEM DIVISION

NAME OF WORK : - PROVIDING REPAIRS & RENOVATION WORKS TO THE EXISTING TOILETS AT GOVERNMENT HIGHER SECONDARY SCHOOL AT KOKARAYANPETTAI IN NAMAKKAL DISTRICT.

Abstract Estimate

No	Qty	Description of Work	Rate	Unit	Amount
1	42.80 <i>m²</i>	Dismantling, clearing away and carefully stacking materials useful for re-use for any thickness of walls Floor finish & daddooing walls in cement mortar with Mosaic Tiles / Glazed Tiles / Clay Tiles / Cuddapah Slabs and all Directed by the Departmental officers. (PWD SR.P.No.22)	55.70	Sqm	2383.96
2	2.10 <i>m³</i>	Dismantling, clearing away and carefully stacking materials useful for re-use for any thickness of walls Dismantling RCC by manual / by using deploying machineries and all directed by the departmental officers. (PWD SR.P.No.22)	3917.00	Cum	8225.70
3	28.20 <i>m²</i>	Dismantling the existing damaged Ellis pattern flooring without affecting the existing structures, including the cost of required tools and plants and clearing the debris away from the site etc., all complete and as directed by the departmental officers. (PWD SR.P.No.22)	55.70 57.50	Sqm	1570.74 1621.50
4	27.40 <i>m²</i>	Removing the damaged broken door/window / ventilators including the removal of frames, hinges, fastenings and shutters form the existing structure and stacking the same carefully for reuse if any in the departmental stores at site of work and as directed by the departmental officers etc., all complete (including removing the furniture fittings such as hinges, hookes and eyes etc., (PWD SR.P.No.22)	139.60	Sqm	3825.04
5	1.30 <i>m³</i>	Dismantling, clearing away and carefully stacking materials useful for re-use for any thickness of walls Brick / Stone Masonry in cement mortar walls under 3m high and all directed by the departmental officers. (PWD SR.P.No.21)	257.40 210.00	Cum	334.62 273.00
6	62.10	Clean removal of the old cement plastering both inside and outside from the existing walls of brick masonry without damaging the existing structure and surroundings and clearing the debris away from the site including cost of required tools and plant and necessary scaffolding if necessary etc., all complete in all respect and as directed by the departmental officers. (PWD SR.P.No.25)	7.70	Sqm	478.17
7	62.10	Plastering with cm 1:5 (One of cement and five of Sand) 20 mm thick finished with neat cement including providing band cornice, ceiling cornice, curing, scaffolding, etc., complete in all respects and complying with relevant standard specifications.	499.92 500.42	Sqm	31045.03 31076.08

S.No	Qty	Description of Work	Rate	Unit	Amount
8	15.10	Supplying and fixing of Colour Ceramic tiles (Anti skid) without corrugated design for flooring and other similar works (Best approved quality, colour and shade shall be got approved from the Executive Engineer before using) over cement plastering in CM 1:3 (One of cement and two of Sand) 20mm thick including fixing in position, cutting the tiles to the required size wherever necessary, pointing the joints with coloured cement, curing, finishing etc., all complete and as directed by the departmental officers. (Data)	1208.26	Sqm	18244.73
9	51.20	Supplying and fixing of Colour glazed tiles (Best approved quality and the same shall be got approved from the Executive Engineer before using) over cement plastering in CM 1:2 (One of cement and two of Sand) 10mm thick including fixing in position, cutting the tiles to the required size wherever necessary, pointing the joints with coloured cement, curing, finishing etc., all complete and as directed by the departmental officers. (Data)	1375.41	Sqm	70420.99
10	12.00	Supplying and fixing of approved brand Porcelain Flat Back urinal superior variety including cost of Urinal lead pipe, waste pipe, 15mm wheel valve, TW plug and labour for fixing etc., all complete as directed by the departmental officers (The brand and quality shall got approved from the Executive Engineer before use) (Data)	2198.25	No	26379.00
11	19.65	Providing Cuddappah slab of 40mm thick finishing with two sides for cupboard, sunshade, ward-robbs, shelves, side slabs of boxing around windows, kitchen platform slabs, sink and other similar works including finishing and fixing in position complying with relevant Standard specifications etc., complete in the following floors (Measurement will be taken including bearing also) as directed by the departmental officers (Quality of Cuddappah slab shall be got approved by the Executive Engineer before fixing. Cuddappah sunshade shall be provided with cuddppah beeding of required size to prevent rain water in the rooms without any extra cost) II. 40mm thick (a) In Ground Floor (Sun shade only) (Data)	2072.79	Sqm	40730.32
12	856.50	Supplying and fixing Mild Steel grills as per the design approved to verandah enclosure or gate including one coat of primer and labour for fixing in position etc. all complete (Data)	70.15	Kg	60083.48
13	40.50	Painting the new Iron work and other similar works such as PVC / ASTM Pipes, Kerb Stone and grills with two coats of approved first class synthetic enamel ready mixed paint of approved quality and brand, the paint should be supplied by the contractor at his own cost. (The quality and the brand of paint should be got approved by the Executive Engineer before use) complying with relevant Standard specifications. (Data)	138.35	Sqm	5603.18

Amount	Qty	Description of Work	Rate	Unit	Amount
8244.73	9.50	Supplying and fixing of UPVC doors of required overall size (single leaf) with UPVC door frame and PVC shutter (superior variety). The doorframe of 60mm thick made out of superior quality polymeric material conforming to IS: 10151-1982. <i>PWD GR- P.No: 48 / 2023-2024; M-0391</i>	3325.00	Sqm	31587.50
1420.99	2.00	Supplying and fixing of Indian Water Closet white glazed (oriya type) of size 580 mm x 440 mm of approved make with ISI mark (to be got approved from EE before use) with P or S trap confirming to IS 2556 part 12, including concrete packing filling portion with earth, flooring the area with 75mm thick brick jelly concrete in CC 1:8:16 (one of cement, eight of Sand and sixteen of brick jelly) using 40 mm size brick jelly and top left rough to receive the floor plastering but including anti-syphonage connection, curing, etc., all complete and as direct by the departmental officers. (a) In Ground Floor <i>(Data)</i>	3322.97	No	6645.94
379.00	2.05	Brick work in Cement Mortar 1:6 (One of cement and six of Sand) using Chamber burnt bricks of size 9"x4½X3" (23x11.4x7.5cm) for super structure in the following floors including labour for fixing the doors, windows and ventilator frames in position, fixing of hold fasts, scaffoldings, curing etc., complete in all respect complying with relevant standard specifications and drawings a) In Ground Floor <i>(Data)</i>	6573.35	Cum	13475.37
730.32	80.30	Plastering with cm 1:5 (One of cement and five of Sand) 12mm thick finished with neat cement including providing band cornice, ceiling cornice, curing, scaffolding, etc., complete in all respects and complying with relevant standard specifications. <i>(Data)</i>	250.50	Sqm	20115.15
83.48	612.20	White washing ^{two} three coats for walls using clean shell lime slaked including cost of lime, gum, blue, brushes, including scaffolding, thorough scrapping and washing with soap, soda water etc., complete in all respects and complying with relevant standard specifications. <i>(Data)</i>	33.55	Sqm	20539.31
	512.20	Colour washing <u>two</u> coats over one coat of white washing, old walls using clean shell lime slaked including cost of lime, gum, blue, brushes, colouring materials, including scaffolding etc., complete in all respects. <i>(Data)</i>	73.37	Sqm	37580.11
3.18	30.70	Supplying and laying of shahabad slab/ stone, 20 mm thick (Grey colour) of approved quality for flooring in cm 1:3, (One of cement and three of Sand) 20 mm thick and other similar works including polishing, rubbing and fixing in position cutting, pointing the joints with coloured cement pigment with cement slurry, curing etc., complete in all respects for all floors as directed by the departmental officers (quality of shahabad slab/ stone and colour shall be got approved by the Executive Engineer before use). <i>(Data)</i>	1476.99	Sqm	45343.59

S.No	Qty	Description of Work	Rate	Unit	Amount
21	17.30	Earth work excavation for foundation in all soils and sub-soils to the required depth as may be directed except in hard rock requiring blasting but inclusive of shoring, strutting, and bailing out water wherever necessary and refilling the sides of foundation with excavated earth in 150mm thick layers well watered rammed and consolidated and depositing the surplus earth in places shown clearing and levelling the site with an initial lead of 10 metres and lift as specified here under etc. complete in all respects complying with relevant standard specifications. (Including Refilling), a) 0 to 2m Depth (Data)	237.08	Cum	4101.48
22	3.91	CC 1:5:10 (One of cement, five of Sand and ten of hard broken stone Jelly) for foundation using 40 mm gauge broken stone jelly inclusive of shoring, strutting and bailing out water wherever necessary ramming, curing etc., complete in all respects complying with relevant standard specifications and as directed by the Departmental officers. (Data)	4745.53	Cum	18555.02
23	4.00	Brick work in cm 1:5 (One of cement and five of Sand) using chamber burnt bricks of size 9"x4½"x3" (23x11.4x7.5 cm) in foundation and basement including dewatering wherever necessary proper setting, curing etc., complete with relevant standard specifications. (Data)	6552.44	Cum	26209.76
24	5.10	Supplying and filling in foundation and basement with gravel in layers of 150mm thickness well watered, rammed and consolidated complying with relevant standard specification including cost of gravel etc., all complete and as directed by the departmental officers. (Data)	319.90	Cum	1631.49
25	7.70	Supplying and filling in foundation and basement with filling M Sand in layers of 150 mm thickness well watered, rammed and consolidated complying with relevant Standard specification including cost of supplying filling M Sand. (Data)	1665.43	Cum	12823.81
26	50.00	Supplying and laying of concrete paver Blocks of 63mm thickness of approved quality and make colour Grey/Terracotta including cost and conveyance of Paver Blocks and labour charges for laying to proper level, slope etc., all complete and as directed by the departmental officers. (design and colour should be got approved by the Executive Engineer before use. (Data)	782.04	Sqm	39102.00
27	6.50	Supply and fixing GI pipe B class approved quality with ISI mark including cutting, jointing and laying charegs etc., (Above Ground Level) a) 32mm dia GI Pipe (Data)	338.81	Rmt	2202.27
	28.10	b) 20mm dia GI Pipe (Data)	307.80	Rmt	8649.14 8649.09
	9.70	c) 65mm dia GI Pipe (Data)	440.17	Rmt	4269.65

Amount	Qty	Description of Work	Rate	Unit	Amount
4101.48	22.40	Painting the old Iron work and other similar works such as PVC /ASTM Pipes, Kerb Stone and grills with one coat of approved IInd class synthetic enamel ready mixed paint of approved quality and brand, the paint should be supplied by the contractor at his own cost. (The quality and the brand of paint should be got approved by the Executive Engineer before use) complying with relevant Standard specifications. (One coat) Data	90.43 ✓	Sqm	2025.63 ✓
18555.02	5.50	Painting the old wood work with one coat of approved IInd class synthetic enamel paint including clean removal of old paint using sand paper as required by the departmental officers including cost of material, labour for painting, supplying etc., all complete as directed by the departmental officers. (the paint quantity and shade should be got approved by Executive Engineer before using.) (Data)	97.76 ✓	Sqm	537.68 ✓
6209.76	4.30	Providing precast concrete slab for cupboard wardrobes shelves, cover slab for chambers, Baffle walls side slabs of boxing around windows and other similar works in M20 Design Mix Concrete using hard broken stone jelly of size 10mm and less for the following thickness excluding the cost and fabrication of reinforcement grills but including precasting, moulding, curing, finishing and fixing in position complying with relevant standard specifications etc., complete in the following floors (Measurement will be taken including bearing in wall also) 40mm thick a) In Ground Floor (Data)	1626.08 ✓	Sqm	6992.14 ✓
631.49	2.00	Supplying and fixing the following dia Asbestous pipe with cowl and relevant specials necessary holding wherever necessary and making good of the dismantled portion with necessary connections to sanitary fittings etc., complete in all respects as directed by the departmental officers. a) 100mm dia (PWD SR P.No.43) (Obsr. Data)	329.35 ✓	Rmt	658.70 ✓
323.81	11.90	Providing Form work and centering for reinforced cement concrete works including supports and strutting up to 3.30m height for plane surfaces as detailed below with all cross bracings using mild steel sheets of size 90cm x 60cm and MS 10 gauge stiffened with welded mild steel angles of size 25mmx25mmx3mm for boarding laid over silver oak or country wood joists of size 10cmx6.5cm spaced at about 90cm centre to centre and supported by casurina props 10cm to 13cm dia spaced at 75cm intervals and removing the same after a specified period without damaging the R.C.C works etc., complete complying with standard specifaction and as directed by the departmental officers. a. For Column footings, plinth beam, Grade beam, Raftbeam, Raft slab etc.,	848.08 ✓	Sqm	10092.15 ✓

S.No	Qty	Description of Work	Rate	Unit	Amount
	22.60	b.Plain surfaces such as Roof slab, floorslab, Beams, lintels, lofts, sillslab, staircase waist, portico slab and other similar works (Data)	946.62	Sqm	21393.61
	15.50	c.For Square and rectangular columns and small quantities such as sunshade, parapet cum drops window boxing, fin projection and other similar works. (Data)	1135.94	Sqm	17607.07
	19.20	d.For vertical walls (sump) (Data)	1041.28	Sqm	19992.58
33 38	4.45	Providing precast concrete slab for cupboard wardrobes shelves, cover slab for chambers, Baffle walls side slabs of boxing around windows and other similar works in M20 Design Mix Concrete using hard broken stone jelly of size 10mm and less for the following thickness excluding the cost and fabrication of reinforcement grills but including precasting, moulding, curing, finishing and fixing in position complying with relevant standard specifications etc., complete in the following floors (Measurement will be taken including bearing in wall also) 75mm thick a) In Foundation & Basement (Data)	2107.63	Sqm	9378.95
34 39	1.245	Supplying, fabricating and placing in position of Mild steel Grills / Ribbed Tor Steels for reinforcement for all floors including cost of binding wire, bending tying without cement slurry etc., all complete in all respects. (Data)	88873.50	MT	110647.11 110665.28
35 40	4.200	Supplying and laying m20 concrete as per IS 456 : 2000 a) In Foundation & Basement (Data)	7822.99	Cum	32856.56
	3.700	b) In Ground Floor (Data)	7942.84	Cum	29388.51
	2.910	C) In First Floor (Data)	8178.94	Cum	23800.72
36 41	9.00	Plastering in cement mortar 1:3 (One of cement and three of Sand) 12mm including plasticizer mixed with water proof compound at 2% by weight of cement for sump including scaffolding curing, finishing etc., complete in all respects and complying with standard specifications. (Data)	275.27	Sqm	2477.43
37 42	5.00	Plastering the top of flooring in cm 1:4 (One of cement and four of Sand) 20mm thick including surface rendered smooth including providing proper slopes, thread lining, curing and 150mm wide skirting around with the same cement mortar etc., complete in all respects. (Data)	509.99	Sqm	2549.95
38 43	14.00	Painting primer coat using approved quality of White cement over the cement plastered / concrete wall surfaces, ceiling or other similar works including cost of white cement, putty, brushes, watering, curing etc., all complete and as directed by the departmental officers (Data)	61.63	Sqm	862.82

Amount	No	Qty	Description of Work	Rate	Unit	Amount
1393.61		11.00	Finishing the top of flooring with cement concrete 1:3 (One of cement and three of blue granite chips of size 10mm and below) 20 mm thick Ellis Pattern Flooring (No Sand) and surface rendered smooth including 150mm wide skirting, providing proper slopes, thread lining, curing etc.. complete in all floors complying with relevant standard specifications. (Data)	444.17	Sqm	4885.87
7607.07		1.00	Supplying and fixing of C.I. manhole cover with locking arrangements of approved quality and brand of size 0.6 m x 0.6 m (50 kg) as per standard specifications including cost of material, labour charges for fixing etc. all complete and as directed by the departmental officers (Data)	1864.00	No	1864.00
9992.58		21.30	Painting two coats with ready mixed Plastic Emulsion Paint of first class quality paint of approved colour and shade over a priming coat on cement plastered / concrete wall surfaces or other similar works including cost of necessary brushes, labour charges, patty etc., complying with relevant standard specification. The paint should be supplied by the contractors at his own cost. (The quality and shade of the paint should be got approved by the Executive engineer before use) (Data)	231.43	Sqm	4929.46
10647.5		77.00	Supplying and laying of OD PVC pipe 10kg/sqm including necessary earthwork excavation, refilling and labour charges etc., and all directed by the departmental officers. a) 63mm dia Pvc Pipe (Data)	264.24	Rmt	20346.25 20346.48
10665.28		89.00	b) 50mm dia OD PVC pipe (Data)	245.14	Rmt	21817.19 21817.45
2856.56		108.00	c) 40mm dia OD PVC 10kg/sqm (Data)	194.64	Rmt	21020.80 21021.12
9388.51		40.00	d) 32mm dia PVC pipe (Data)	157.99	Rmt	6319.48 6319.60
13800.72		2.00	Supplying and fixing GI/PVC Specials a) 50mm dia GI union (PWD SR P.No.51)	266.30	No	532.60
2477.43		2.00	b) 50mm dia GI Bend (PWD SR P.No.51)	116.30	No	232.60
		4.00	c) 40mm dia PVC bend (PWD SR P.No.105)	22.90	No	91.60
2549.95		6.00	d) 50mm dia PVC bend (PWD SR P.No.105)	36.00	No	216.00
862.82		6.00	e) 50mm dia PVC Coupler (PWD SR P.No.106) 105	14.25	No	85.50

S.No	Qty	Description of Work	Rate	Unit	Amount
	4.00	f) 50mm dia PVC TEE (PWD SR P.No.105)	43.25	No	173.00
	4.00	g) 40mm dia PVC Tee PWD SR P.No.105)	28.75	No	115.00
	4.00	h) 50 x 40mm dia reducer PWD SR P.No.105)	22.90	No	91.60
	2.00	i) 50mm dia GI Hex nipple PWD SR P.No.53)	87.00	No	174.00
	4.00	j) 50mm dia Gun metal gate valve PWD SR P.No.53)	1241.00	No	4964.00
49	1.60	Supplying and laying of Hard core 300mm consolidated thickness using 60% of IRC metal 80mm to 63mm and 40% of IRC metal 40mm to 10mm and laying river Sand 50mm thickness over the metal layer and it shall be copiously watered using a water jet in order to force the Sand into the void spaces. The process shall be repeated until no more Sand and water get into the void spaces of the broken stone etc., all complete for the formation of hard core layer including compacting the existing earth using vibrator/Earth rammer initially and consolidation of hard core layer by hand roller in layers not exceeding 15 cm thickness as directed by the departmental officers. The IRC metal should conforming to IS 383-1970 Table 2 gradation etc all complete. (Data)	3467.94	Cum	5548.70
50	3.80	Supplying and fixing Galvalume sheet roofing 0.47mm thick including conveyance charges, fixing & labour charges, bolts & nuts and all required specials etc., and all directed by the departmental officers. (Data)	997.61	Sqm	3790.92
51	4.00	Supplying and fixing of 110mm dia PVC SWR pipe for Rain water down fall pipe with necessary gratings, shoes, bends, off sets, clamps, teak woods plugs, and of approved quality and including fixing C.I. gratings at the junction of parapet and floor or roof slab etc., including finishing etc., complete complying with relevant standard specifications. (Data)	343.11	Rmt	1372.44
52	12.00	Supplying and fixing of Push type 25mm Gunmetal flush valve with relevant ISI specification and all directed by the Departmental officers. (Qtn)	550.00	No	6600.00

Count	No	Qty	Description of Work	Rate	Unit	Amount
3.00	42/53	6.00	Supplying and fixing of 15mm dia CP Long body Tap of Best quality including cost of fittings with required specials, bends, labour for fixing etc., all complete and as directed by the departmental officers.,(The quality and brand of fittings should be got approved from Executive Engineer before use). (Data)	480.00 488.00	No	2880.00 2928.00
5.00						
6.00	49/54	20.00	Supplying and fixing of 15mm dia PVC tap including proper connection and labour charges etc. and all directed by the departmental officers. @ 120.00	120.00	No	2400.00
7.00			SUB TOTAL - I			963918.55 963830.77
8.00	50		Provision for GST @ 18%			173505.34 173489.54
9.00			SUB TOTAL - II			1137423.89 1137320.31
10.00	56		Provision for Labour Welfare Fund @ 1%			9639.19 11373.20
11.00	57		Provision for Supervision Charges @ 7.5%			85306.79 85299.02
12.00	58		GST provision @ 18% for Supervision charges @ 7.5%			15355.22 15353.82
13.00	59		LS provision for toilet cleaning		LS	2274.91
14.00			Grand total			12,50,000.00

26/7/23
JSP/202

26/7/23

11/8/2023
EE / SLM
11/8/23

29/7/2023
தலைமையாசிரியர்
அரசு மேல்நிலைப் பள்ளி,
கொக்கராயன்பேட்டை,
குமாரபாளையம் (வட்டம்),
நாமக்கல் மாவட்டம்-638 007.

Technical Sanction Slip

1. நம்ம school - நம்ம ஊரு பள்ளி உறுப்பினர் செயலாளரின் செயல்முறைகள், பிறப்பிப்பவர், திரு.இரா. சுதன், இ.ஆ.ப., (ஓய்வு) ந.க.எண். 191/J1/நஊப/2023 - நாள்: 01.07.2023.
2. தலைமை ஆசிரியர். அரசு மேல்நிலைப் பள்ளி. கொக்கராயன்பேட்டை. நாமக்கல், ந.க. எண்: 71/2023-2024. நாள்: 27.07.2023.

F.S Amount : Rs.12,50,000/-
Estimate Amount : Rs.12,50,000/-

The Estimate for the work "Providing Repairs & Renovation works to the Existing Toilets in the Government Higher Secondary School at Kokarayanpettai in Namakkal District under Namma school Namma Oorru Palli Scheme" is Technically sanctioned for a sum of Rs.12,50,000/- (Rupees Twelve Lakhs and Fifty Thousand Only) and Registered as DR. No: 22 / 2023-2024.

Technically Sanctioned at Rs. 12,50,000/-

P. Seltty
DO/SLM

IC S. S. S. S. S.
Executive Engineer

Tamil Nadu Police Housing Corporation Ltd.,
Salem Division,
Salem.