

ANNEXURE - I

ABSTRACT OF COST - ORIGINAL ESTIMATE

Name of work : **IMPROVEMENTS TO MUNICIPAL KALIYANAMANDAPAM IN KARRAIKAL**

Original :

Sub division :

Sl. No.	Description of items	Quantity	Unit	Rate In		Amount
				Figure	Words	
1	2	3	4	5	6	7
1.	Code No.15.0003 Demolishing R.C.C work including stacking of steel bars and disposal of unserviceable material within 50 metres lead.	8.10 CUM	1 CUM ONE CUBIC METRE			
2.	Code No.15.0023.01 Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead:-for thickness of tiles 10mm to 25mm.	315.00 SQM	1 SQM ONE SQUARE METRE			
3.	Code No.02.0008.01 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.	22.00 CUM	1 CUM ONE CUBIC METRE			
4.	Code No.02.0028 Supplying and filling in plinth with river sand under floors including, watering, ramming consolidating and dressing complete..	1.50 CUM	1 CUM ONE CUBIC METRE			

Sl. No.	Description of items	Quantity	Unit	Rate In		Amount
				Figure	Words	
1	2	3	4	5	6	7
5.	<p>Code No.04.0005.10</p> <p>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).</p>	3.00 CUM	1 CUM ONE CUBIC METRE			
6.	<p>Code No.05.0001.02</p> <p>Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring, shuttering, finishing and reinforcement - All work upto plinth level - 1:1.5:3 (1 cement :1.5 sand : 3 graded stone aggregate 20mm nominal size).</p>	6.00 CUM	1 CUM ONE CUBIC METRE			
7.	<p>Code No.05.0002.02</p> <p>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. upto floor five level excluding cost of centring, shuttering, finishing and reinforcement - 1:1.5:3 (1 cement : 1.5 sand : 3 graded stone aggregate 20mm nominal size)</p>	3.00 CUM	1 CUM ONE CUBIC METRE			
8.	<p>Code No.05.0003.01</p> <p>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 staircases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size).</p>	15.00 CUM	1 CUM ONE CUBIC METRE			

Sl. No.	Description of items	Quantity	Unit	Rate In		Amount
				Figure	Words	
1	2	3	4	5	6	7
9.	Code No.05.0014.01 Centring and shuttering including strutting, propping etc. and removal of form for - foundations, footings, bases of columns etc. for mass concrete.	7.50 SQM	1 SQM ONE SQUARE METRE			
10.	Code No.05.0014.06 Centring and shuttering including strutting, propping etc. and removal of form for - columns, pillars, piers, abutments, posts and struts.	34.00 SQM	1 SQM ONE SQUARE METRE			
11.	Code No.05.0014.05 Centring and shuttering including strutting, propping etc. and removal of form for - lintels, beams, plinth beams,girders, bressummers and cantilevers.	11.50 SQM	1 SQM ONE SQUARE METRE			
12.	Code No.05.0014.03 Centring and shuttering including strutting, propping etc. and removal of form for - suspended floor, roofs, landings, balconies and access platform.	110.00 SQM	1 SQM ONE SQUARE METRE			
13.	Code No.05.0029.3B Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete - Thermo Mechanical Treated Bars (TISCON / VIZAG / IISCO / SAIL)	3120.00 KG	1 KG ONE KILOGRAM			

Sl. No.	Description of items	Quantity	Unit	Rate In		Amount
				Figure	Words	
1	2	3	4	5	6	7
14.	<p>Code No.06.0001.10</p> <p>Brick work with bricks of superstructure upto floor five level in cement mortar 1:4(1 cement : 4 sand)</p>	14.00 CUM	1 CUM ONE CUBIC METRE			
15.	<p>Code No.10.031B</p> <p>supplying and fixing of steel grill work of m.s. angles,flats,squares and pipes including cost of welding charges, fixing in position in masonry walls with cement concrete 1:2:4 (1 cement : 2 course sand : 4 graded stone aggregate 12.5mm nominal size) including one coat of priming coat etc. complete.</p>	2700.00 KG	1 KG ONE KILOGRAM			
16.	<p>Code No.11.081</p> <p>Providing and laying in floors fully vitrified tiles of thickness not less than 10mm of size 60cm x 60cm of premium quality make of Johnson/Regency/Naveen tiles of approved colour and design laid on 20mm thick cement mortar 1:4 (one cement : four sand) including grouting the joints with white cement and matching pigment etc.. complete.</p>	44.00 SQM	M2 (ONE SQUARE METRE)			
17.	<p>Code No. 11.84A</p> <p>Providing and laying in floors ceramic tiles of thickness not less than 6mm of size 30cm x 30cm of premium quality make of Johnson/ Regency/ Naveen/ Kajaria tiles of approved colour and design laid on 20mm thick cement mortar 1:4 (one cement : four sand) including grouting the joints with white cement and matching pigment etc., complete .</p>	80.00 M2	1M2 (ONE SQUARE METRE)			

Sl. No.	Description of items	Quantity	Unit	Rate In		Amount
				Figure	Words	
1	2	3	4	5	6	7
18.	<p>Code No.12.033A</p> <p>Providing and laying pressed clay tiles (as per approved pattern 20 mm nominal thickness and of approved size) on roofs jointed with cement mortar 1:4 (1 cement : 4 coarse sand) mixed with 2% integral water proofing compound laid over a bed of 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) and finished neat complete.</p>	87.00 M2	M2 (ONE SQUARE METRE)			
19.	<p>Code No.12.034L</p> <p>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 surki) rammed and finished with gur and belgiri treatment complete including rounding of junctions with parapet wall complete.</p>	5.70 M3	M3 (ONE CUBIC METRE)			
20.	<p>Code No.09.0001.4P</p> <p>Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position - Country wood (Padak).</p>	0.55 M3	M3 (ONE CUBIC METRE)			
21.	<p>Code No.09.0004.3P</p> <p>Providing and fixing panelled or panelled and glazed shutters for doors. Windows and clerestory windows country wood (padak) panelling which will be paid for separately (Country wood or Padak) - 40mm thick</p>	6.40 M2	M2 (ONE SQUARE METRE)			

Sl. No.	Description of items	Quantity	Unit	Rate In		Amount
				Figure	Words	
1	2	3	4	5	6	7
22.	<p>Code No.09.0005.4P</p> <p>Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick - country wood (Padak)</p>	9.00 M2	M2 (ONE SQUARE METRE)			
23.	<p>Code No.09.0006.04.1P</p> <p>Providing and fixing glazed shutters for doors, windows, clerestory windows using 10 kg/square metre (4 mm thick) glass panes - 40mm thick shutters - Country wood (Padak).</p>	5.00 M2	M2 (ONE SQUARE METRE)			
24.	<p>Code No.09.0024.02</p> <p>Providing and fixing flush door shutters decorative type core of block board construction with frame of first class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters - 35mm thick.</p>	5.00 M2	M2 (ONE SQUARE METRE)			
25.	<p>Code No.09.0087</p> <p>Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10mm diameter bolts, nuts and wooden plugs and embeddings in cement concrete block 30x10x15 cm 1:3:6 mix (1 cement : 3 sand : 6 graded stone aggregate 20mm nominal size).</p>	26.00 NOS	NOS (ONE NUMBER)			

Sl. No.	Description of items	Quantity	Unit	Rate In		Amount
				Figure	Words	
1	2	3	4	5	6	7
26.	Code No.09.0128.01 Providing and fixing bright finished brass butt hinges with necessary screws etc. complete - 125x85x5.5mm (heavy type)	8.00 NOS	NOS (ONE NUMBER)			
27.	Code No.09.134.01 Providing and fixing bright finished brass tower bolts (barrel type) with screws etc. complete - 250x10mm.	3.00 NOS	NOS (ONE NUMBER)			
28.	Code No.09.134.04 Providing and fixing bright finishing brass tower bolts (barrel type) with screws etc., complete - 100 x 10mm	6.00 NOS	NOS (ONE NUMBER)			
29.	Code No.09.0140 Providing and fixing bright finished brass 100mm mortice latch with one dead bolt and a pair of lever handles with necessary screws etc complete (best make of approved quality)	2.00 NOS	NOS (ONE NUMBER)			
30.	Code No.09.150A.01 Providing and fixing bright finished brass hydraulic door closer of approved quality with accessories and screws etc. complete - Sleek design type.	2.00 NOS	NOS (ONE NUMBER)			

Sl. No.	Description of items	Quantity	Unit	Rate In		Amount
				Figure	Words	
1	2	3	4	5	6	7
31.	Code No.09.0203.01 Providing and fixing chromium plated brass handles with necessary screws etc. complete - 125mm	6.00 NOS	NOS (ONE NUMBER)			
32.	Code No.09.219.05 Providing and fixing aluminium tower bolts anodised (anodic coating not less than grade Ac 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete - 100 x 10mm.	48.00 NOS	NOS (ONE NUMBER)			
33.	Code No.09.0105.04 Providing and fixing M.S.hooks and eyes conforming to IS:207 - 150mm	24.00 NOS	NOS (ONE NUMBER)			
34.	Code No.09.219.02 Providing and fixing aluminium tower bolts anodised (anodic coating not less than grade AC 10 as per IS : 1868)transparent or dyed to required colour or shade with necessary screws etc. complete - 250 x 10mm.	15.00 NOS	NOS (ONE NUMBER)			
35.	Code No.09.218.01 Providing and fixing aluminium sliding door bolts anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete - 300 x 16mm.	7.00 NOS	NOS (ONE NUMBER)			

Sl. No.	Description of items	Quantity	Unit	Rate In		Amount
				Figure	Words	
1	2	3	4	5	6	7
36.	<p>Code No.13.0082.02</p> <p>Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade - new wood work (two or more coats) Applying priming coat with ready mixed primer of approved brand and manufacture with ready mixed pink or grey primer of approved brand and manufacture on wood work (Hard and soft wood)</p>	31.00 M2	M2 (ONE SQUARE METRE)			
37.	<p>Code No.13.0101.01</p> <p>French spirit polishing - two or more coats on new works including a coat of wood filler.</p>	15.00 M2	M2 (ONE SQUARE METRE)			
38.	<p>Code No.13.0082.01</p> <p>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).</p>	39.00 M2	Sqm (ONE SQUARE METRE)			
39.	<p>Code No.14.0083.04</p> <p>Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade - old wood work (one or more coats).</p>	180.00 M2	Sqm (ONE SQUARE METRE)			

Sl. No.	Description of items	Quantity	Unit	Rate In		Amount
				Figure	Words	
1	2	3	4	5	6	7
40.	<p>Code No.13.0077.02</p> <p>Distemping 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.</p>	1270.00 M2	Sqm (ONE SQUARE METRE)			
41	<p>Code No.14.0081.02</p> <p>Finishing walls with water proofing cement paint of approved brand and manufacture and of required shade to give an even shade - old work (one or more coats).</p>	675.00 M2	Sqm (ONE SQUARE METRE)			
42.	<p>Code No.13.0079.01</p> <p>Finishing walls with water proofing cement paint of approved brand and manufacture and of required shade to give an even shade - new work (three or more coats).</p>	57.00 M2	Sqm (ONE SQUARE METRE)			
43.	<p>Code No.13.079A.01</p> <p>Finishing walls with textured exterior paint "Sandtex Matt" of M/s Snowcem India Ltd., or equivalent of required shade : New work (Two or more coats applied @ 3.28 litre / 10 sqm) over and including base coat of water proofing cement paint "Snowcem Plus" or equivalent applied @2.20Kq/10sqm</p>	950.00 M2	Sqm (ONE SQUARE METRE)			

Sl. No.	Description of items	Quantity	Unit	Rate In		Amount
				Figure	Words	
1	2	3	4	5	6	7
44.	<p>Code No.19.0047.01</p> <p>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</p>	104.00 M	1 M (ONE METRE)			
45.	<p>Code No.19.47.1C</p> <p>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 110mm</p>	16.00 NOS	1 NO (ONE NUMBER)			
46.	<p>Code No.12.79.6.2</p> <p>Providing and fixing on wall face/column face unplasticised - PVC moulded fittings/accessories for unplasticised - PVC rain water pipes conforming to IS : 13592 including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion - shoe (plain) - 110 mm shoe.</p>	6.00 NOS	1 NO (ONE NUMBER)			
47.	<p>Code No.19.47.1A</p> <p>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 - Single tee with door 110 x 110 x 110 mm</p>	10.00 NOS	1 NO (ONE NUMBER)			

Sl. No.	Description of items	Quantity	Unit	Rate In		Amount
				Figure	Words	
1	2	3	4	5	6	7
48.	<p>Code No.19.49.1C</p> <p>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</p>	40.00 NOS	1 NO (ONE NUMBER)			
49.	<p>Code No.20.2.1.5</p> <p>Providing and fixing G.I.pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. (internal work) - 40mm nominal bore (3.61 kg/m).</p>	12.00 M	1 M (ONE METRE)			
50.	<p>Code No.20.2.1.3A</p> <p>Providing and fixing P.V.C pipes complete with fittings and clamps, including cutting and making good the walls etc.(internal work) Concealed - 25mm nominal bore (15kg/sq.cm</p>	85.00 M	1 M (ONE METRE)			
51.	<p>Code No.20.2.1.2A</p> <p>Providing and fixing P.V.C pipes complete with fittings and clamps, including cutting and making good the walls etc.(internal work) Concealed - 20mm nominal bore (15kg/sq.cm</p>	45.00 M	1 M (ONE METRE)			

Sl. No.	Description of items	Quantity	Unit	Rate In		Amount
				Figure	Words	
1	2	3	4	5	6	7
52.	<p>Code No.20.91</p> <p>Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore.</p>	24.00 NOS	1 M (ONE METRE)			
53.	<p>Code No.16.0096</p> <p>Supplying fixing and commissioning of Suguna / Texmo / Sharp 2 HP monoblock pumpset slow speed single phase motar. The rate include the cost of pumpset, pumpset fixing in position and test run etc. complete as directed by the engineer in charge.</p>	1.00 NOS	1 NO (ONE NUMBER)			
54.	<p>Code No.19.0044.01.02</p> <p>Providing and fixing towel rail complete with brackets fixed to wooden cleats with C.P. brass screws - C.P. Brass towel rail with two C.P. brass brackets - 600 x 20mm size.</p>	4.00 NOS	1 NO (ONE NUMBER)			
55.	<p>Code No.19.0007.03</p> <p>Providing and fixing white vitreous china wash basin with C.I./M.S. brackets, 15mm C.P. brass pillar taps, 32mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required - Flat back wash basin size 550x400mm with a pair of 15mm C.P.brass pillar taps (Parrvware/Hindware)</p>	3.00 NOS	1 NO (ONE NUMBER)			
56	<p>Code No.19.0042</p> <p>Providing and fixing 600 x 450 mm bevelled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.</p>	4.00 NOS	1 NO (ONE NUMBER)			

Sl. No.	Description of items	Quantity	Unit	Rate In		Amount
				Figure	Words	
1	2	3	4	5	6	7
57.	Code No.19.0045.01 Providing and fixing toilet paper holder - C.P. brass.	2.00 NOS	1 NO (ONE NUMBER)			
58	Code No.19.2.2 Providing and fixing white vitreous china pedestal type water closet (European type WC pan) with seat and lid, cp brass hinges and rubber buffers, 10 litres low level PVC flushing cistern with fittings, C.I./M.S. brackets 40 mm diameter flush bend with fittings and clamps, overflow arrangements with specials and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required - W.C. pan with white solid Plastic seat and lid.(Parryware/Hindware)	2.00 NOS	1 NO (ONE NUMBER)			
59	Code No.19.0014.02 Providing and fixing white vitreous china water closet squatting pan (Indian type) - Orissa pattern W.C. pan of size 580 x 440mm (Parryware/Hindware)	4.00 NOS	1 NO (ONE NUMBER)			
60.	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 (Sintex ISI)	5000.00 LTR	1 LTR (ONE LITRS)			

Sl. No.	Description of items	Quantity	Unit	Rate In		Amount
				Figure	Words	
1	2	3	4	5	6	7
61.	<p>Code No.14.1.1</p> <p>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).</p>	126.00 M2	Sqm (ONE SQUARE METRE)			
62.	<p>Code No.13.8.3</p> <p>12 mm cement plaster of mix - 1:5 (1 cement : 5 fine sand).</p>	161.00 M2	Sqm (ONE SQUARE METRE)			
63.	<p>Code No.13.24.1</p> <p>6 mm cement plaster to ceiling of mix - 1:3 (1 cement : 3 fine sand).</p>	102.00 M2	Sqm (ONE SQUARE METRE)			
64.	<p>Code No. 12.0010.02</p> <p>Providing asbestos cement 6mm thick corrugated sheets roofing and fixing with g.i. j or l hooks, bolts and nuts 8mm dia. g.i. plain and bitumen washers complete excluding the cost of purlins, rafters and trusses - corrugated sheets above 60 degree pitch.</p>	192.00 M2	Sqm (ONE SQUARE METRE)			
65.	<p>Code No.6.13</p> <p>Brick work 7cm thick with country bricks of class designation 35 in cement mortar 1:3 (1 cement :3 coarse sand) in Superstructure</p>	15.00 M2	Sqm (ONE SQUARE METRE)			