

POONAMALLEE MUNICIPALITY
TENDER SCHEDULE

Name of Work: Improvement and Rejuvenation of Baghavathi Kulam, Kattupakkam village,
Kumananchavadi.

Estimate Amount:

4900000.00

49000.00

EMD. Amount:

Tender Date

Issued to

BILL OF QUANTITIES

Sl No	Qty	Description of work	TNSS No (OR) NBC No	Rates in		Per	Amount
				Figures	Words		
1	329.00 M3	Earth work excavating and depositing on bank with initial lead of 10m and lift of 2m in Sand, silt or other loose soil, wet sand or silt not under water, light black cotton soil, sandy loam and ordinary soil including excavated earth etc., complete - SS 20A - Drain Works	23 & 24V,VI (S2)VI 9			1 Sqm (One Square Metre)	
2	22.00 M3	Supply and filling in foundation with Filling Sand in layer of 15cm thick well water rammed to consolidation including cost and conveyance of Sand to site including labour charges etc., complete as per standard specification	24 & 25 V, VI (S2)			1 cum (One Cubic Metre)	
3	22.00 M3	Plain Cement Concrete 1:4:8 (one cement, four fine aggregates and eight coarse aggregates) using 40mm size ISS HBG metal including cost and conveyance of all materials to site, and labour and all incidental charges such as water providing etc., complete as per standard specification	28V,VI S25,8			1 cum (One Cubic Metre)	
4	110.00 M3	Supply and filling the Gravel for sides of the revetments and the cost shall including materials and labour charges etc complete as per standard Specifications				1 cum (One Cubic Metre)	
5	720.00 M2	Trimming the bed and the side slope of the bank in all soils except hard rock upto a thickness of 7.5cm to 15cm and make it ready to receive the concrete etc, complete as per standard specification.				1 Sqm (One Square Metre)	

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6	140.00 M3	Manufacturing sand cement blocks of size 60x30x20cm in Cement Mortar 1:6 (one Cement, Six Sand) and dry packing them in apron or revetments and the cost shall inclusive all materials and labour charges etc complete				1 cum (One Cubic Metre)	
7	695.00 M2	Pointing the Sand Cement Blocks with Cement Mortar 1:4 (one Cement, Four Sand) to flush pointing, curing and including cost and conveyance of all materials to site etc complete				1 Sqm (One Square Metre)	
8	445.00 M2	Supplying and erecting steel centering including necessary supports for plane surfaces for Reinforced Cement Concrete works such as column footings, column pedestals, plinth beams, grade beams, staircase steps, etc. which require only nominal strutting using mild steel sheets of size 90cm x 60cm and 10 BG stiffened with welded mild steel angles of size 25mm x 25mm x 3 mm for boarding, laid over silver oak joists of size 10cm x 6.5cm spaced at about 75cm centre to centre or at suitable intervals etc. complete in all floors complying with standard specifcation - Plinth Beam	30 (S)86,86 A V,VI (S3) VII			1 Sqm (One Square Metre)	
9	480.00 M2	Supplying and erecting steel centering including necessary supports for plane surfaces for Reinforced Cement Concrete works such as column footings, column pedestals, plinth beams, grade beams, staircase steps, etc. which require only nominal strutting using mild steel sheets of size 90cm x 60cm and 10 BG stiffened with welded mild steel angles of size 25mm x 25mm x 3 mm for boarding, laid over silver oak joists of size 10cm x 6.5cm spaced at about 75cm centre to centre or at suitable intervals etc. complete in all floors complying with standard specifcation -Vertical Surfaces	30 (S)86,86 A V,VI (S3) VII			1 Sqm (One Square Metre)	

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10	181.00 M3	Plain Cement concrete 1:1.5:3 (one cement, one and half sand, three aggregate) using 20mm gauge hand broken granite stone jelly for Culvert body wall including dewatering if found necessary and laid in layers of not more than 15 cm thick and compacted etc., complete with standard specification.				1 cum (One Cubic Metre)	
11	140.00 M2	Clearing the light jungles in the existing site and removal the same away from the site, the cost shall including all materials and labour charges etc, complete as per standard specification.				1 Sqm (One Square Metre)	
12	17.00 M2	Plastering with cement mortar (1:4) 20mm thick in all floors including cost and conveyance of all materials to site and labour charges etc, complete complying with standard specifications.				1 Sqm (One Square Metre)	
13	945.00 M3	Earth work in all soils except hard rock requiring blasting and conveying for formation of bund with lead of 0 to 100 metre deploying earth moving machinery and tippers including benching, formation of bunds, breaking clods, sectioning etc., complete	23 & 24V,VI (S2)VI 9			1 cum (One Cubic Metre)	
14	2381.00 M3	Earth work excavation for foundation in Hard stiff clay, stiff black cotton, hard red earth, shales murram, gravel, stoney earth and earth mixed with small size boulders SS.20B and Sand, Silt or other loose soil, wet sand or silt not under water, light black cotton soil, sandy loam ordinary soil and to full depth as may be directed except in hardrock requiring blasting inclusive of shoring shuttering and baling out water and cleaning and levelling the site etc.,complete - First Depth (Upto 2.00m)	23 & 24V,VI (S2)VI 9			1 cum (One Cubic Metre)	
15	950.00 M3	Removal of Excess Earth 2KM away from the site by using tipper lorries. The rate inclusive of fuel charges, driver and cleaner salary, batta, loading charges etc, complete as per standard specification as directed by the departmental officer	23 & 24V,VI (S2)VI 9			1 cum (One Cubic Metre)	

Sl No	Qty	Description of work	TNSS No (OR) NBC No	Rates in		Per	Amount
				Figures	Words		
16	50.00 Hr	De watering in the existing pond for connecting the specials and pipes using diesel engine pump sets of 7.5 Hp for 5 to 6 hours including Hire charges, cost of Diesel, Engine oil, pump operator, labour charges, conveyance of pumpset and fuel to site and back, loading, unloading and any other incidental charges etc., complete.				1 Hrs (One Hours)	
17	212.00 Rm	Providing Fencing arrangements for the sides of landscaping at site, and fencing by PVC coated diamond shape of size 100 X 100mm with 10 gauge chain link and it should be supported by a vertical angles of ISA 40X 40 X 6mm and at every 3m interval centre to centre to a height of 1.50m above ground level and below GL is 300mm and the post should be laid by PCC 1:2:4 concret. The cost shall inclusive of 300mm X 300mm Earth work excavation and 100mm thick 1:5:10 using 40mm metal and 300mm thick PCC 1:2:4, and back filling the excavation trenches and all labour charges and other incidental charges and directed by departmental officer etc., complete as per standard specification				1 Rm (One Running Metre)	
18	5.00 No	Providing Double Seater arrangements with Granite Slabs over the 100mm thick Precast Slab with nominal reinforcements and 230mm thick, 600mm height side Brick walls and Plastered with C.M. 1:5, 12mm thick, white washing two coats. The cost shall include all labour and materials and as directed by the departmental officers				1 No (One Number)	
19	1.00 No	Supply and delivery of PoE switches for CCTV IP Camera (Higher End) with 8 Port including cost and conveyance etc, complete.				1 No (One Number)	
20	1.00 No	Supply and delivery of 8 channel 1 SATA (1No. Hard Disk) for CCTV (Higher End) including cost and conveyance etc, complete.				1 No (One Number)	
21	1.00 No	Supply and delivery of Monitor 8" LED for CCTV (Higher End) including cost and conveyance etc, complete.				1 No (One Number)	

Sl No	Qty	Description of work	TNSS No (OR) NBC No	Rates in		Per	Amount
				Figures	Words		
22	1600.00 Rm	Supply and delivery of Unarmoured Co- axial cable for CCTV of RG -06 including cost and conveyance etc, complete.				1 Rm (One Running Metre)	
23	7.00 Nos	Supply and fixing of 65 mm dia G I pipe (Class 'B') of 4 Mts. Length with 300 mm x 300 mm X 6 mm MS base plate duly welded at the bottom and with concreting and construction on Masonary pedestal with MS box of 30cmx20cmx 10cm with angle iron frame work with door with lock and key arrangements and with supply and fixing of post top latern fitting of (Integral type) with Cu. Choke and condensor and necessary accessories with complete set (Philips/ Crompton Greaves / Equivalent Make) with spherical / ribbed / conical acrylic cover suitable for 24W LED lamp with supply and fixing of 1 No. 24W LED lamp and with supply and fixing of 16A fuse units, (500V), 5A SP switch inside the MS box and painting with suitable colour SD 99				1 No (One Number)	
24	7.00 Nos	Earthing as per PWD standard specification with on earth electrode of 2m class 'B' pipe of dia not less than 32mm complete. Brass cable event for suitable armoured LTUG cable with earth connection suitable of 4 X 16sqmm etc complete				1 No (One Number)	
25	215.00 Rm	Supply and fixing of 4 X 16 sqmm PVC armoured LTUG cable in a trench to be excavated at a depth of 0.75m for covering the cable complete with 2" dia PVC pipe etc, complete				1 No (One Number)	
26	28.00 Rm	Supplying and laying of CPVC sheathed cable having multi stand 4 X 4 sqmm water proof copper cable connector for inside the pole etc complete				1 No (One Number)	
27	7.00 Nos	Supply and fixing of Control DB metal box in size 4 X 4 with 4 pole connector 2 way 10A MCB neutral link etc, complete				1 No (One Number)	

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28	7.00 Nos	Supply and fixing of Control DB metal box in size 4 X 4 with 4 pole connector 2 way 10A MCB neutral link etc, complete				1 No (One Number)	
29	5.00 M3	Providing and laying in position Standardised Concrete Mix M-20 Grade in accordance with IS 456 - 2000 using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 325Kg/ cum and maximum water cement ratio of 0.55 including admixture (Plasticiser / super plasticiser) in recommended proportions as per IS 9103 to accelerate, related setting of concrete, improve workability without impairing strength and durability with about (5.0cum), 7730Kg of 20mm machine crushed stone jelly and with about (3.3 cum), 5156kg of 10 - 12mm machine crushed stone jelly and with about (4.79cum) 7670 kg of crushed stone sand (M - Sand), but excluding cost of reinforcement grill and fabricating charges centering and shuttering but including laying, vibrating with mechanical vibrators, finishing, curing, etc and providing fixtures like fan clamps in the RCC floor / roof slabs wherever necessary without claiming extra cost etc., complete complying with standard specification and as directed by the departmental officers - The Coarse and Fine aggregates to be used should comply with the requirements of IS				1 cum (One Cubic Metre)	

Sl No	Qty	Description of work	TNSS No (OR) NBC No	Rates in		Per	Amount
				Figures	Words		
30	1.00 M3	Providing and laying in position Standardised Concrete Mix M-20 Grade in accordance with IS 456 - 2000 using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 325Kg/ cum and maximum water cement ratio of 0.55 including admixture (Plasticiser / super plasticiser) in recommended proportions as per IS 9103 to accelerate, related setting of concrete, improve workability without impairing strength and durability with about (5.0cum), 7730Kg of 20mm machine crushed stone jelly and with about (3.3 cum), 5156kg of 10 - 12mm machine crushed stone jelly and with about (4.79cum) 7670 kg of crushed stone sand (M - Sand), but excluding cost of reinforcement grill and fabricating charges centering and shuttering but including laying, vibrating with mechanical vibrators, finishing, curing, etc and providing fixtures like fan clamps in the RCC floor / roof slabs wherever necessary without claiming extra cost etc., complete complying with standard specification and as directed by the departmental officers - The Coarse and Fine aggregates to be used should comply with the requirements of IS				1 cum (One Cubic Metre)	
31	0.55 Mt	Supply and fabrication of steel required for all RCC items of works involved in the schedule, cost of steel at site fabrication, labour charges for cleaning the rods straightening, cutting, bending, tying grills, including overlapping to the required length whenever necessary and placing the reinforcement in position as as per design given and specified in the drawings, including cost of binding wire, provision of spacer bars, cover blocks and all other incidental charges etc complete as per standard specification				1 Mt (One Metric tonn)	

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32	4.50 M3	Fly ash Brick work in CM 1:5 (one cement & Five sand) using fly ash bricks of size 230 X 110 X 75mm in standard specification including finishing, curing, etc., complete complying with standard specification (Masonry projections wherever necessary for obtaining required elevation shall be done without extra cost) - 1 Into Basement				1 cum (One Cubic Metre)	
33	38.00 M2	Plastering with cement mortar 1:5 (one cement & Five sand), 12 mm thick in all floors including cost and conveyance of all materials to site and labour charges etc,complete as per standard specifications.				1 Sqm (One Square Metre)	
34	24.00 M2	Special ceiling plastering in all floors and finishing the exposed surface of RCC items of work such as slab, beam, sunshade, fascia, canopy slab, staircase waist slab, landing slab etc., with cement mortar 1:3 (One cement and three sand) 10mm thick including hacking the surfaces and providing cement mortar nosing, beading for sunshade, staircase, step, landing slab etc., including neat finishing and curing etc., complete complying with standard specification and as directed by the departmental officers				1 Sqm (One Square Metre)	
35	700.00 Kg	Supply and fixing of M.S Grills with Doors and Windows with one coat of Red oxide with Primer including all costs such as welding, grinding and fabrication charges, cost and conveyance of all materials to site etc,complete as per standard specification.				1 Kg (One Kilogram)	
36	60.00 M2	Painting two coats of newly plastered wall surface with approved cement paint over cement plastered wall surface, ceiling and including preparing the surface, clean removal of dirt and including necessary plaster of paris putty wherever required and cost of painting materials, brushes, preparation of surfaces and scaffolding charges etc., complete complying with standard specification and as directed by the departmental officer				1 Sqm (One Square Metre)	

Sl No	Qty	Description of work	TNSS No (OR) NBC No	Rates in		Per	Amount
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37	30.00 M2	Painting the new iron work with two coats of best approved first quality and colour of synthetic enamel paint over the existing red oxide priming coat in all floors excluding cost of priming coat and including cost of painting materials, brushes, putty, preparation of surfaces and scaffolding charges etc., complete complying with standard specification and as directed by the departmental officer				1 Sqm (One Square Metre)	
		Sub Total					
38	L.S	Goods and Service Tax @ 12%				L.S	

S.NO -1 to 15 only