

SCHEDULE - A									
Name Of Work : - Construction of Toilet Block building(2 Numbers ) in Arulmigu Periyamayagi Amman Girls Higher Secondary School at Muthupettai, Thiruvarur District.									
EMD - Rs:38950/-			Tender Value : Rs:5786666 - (Including GST 12%)				Issued to Thiru :.....		
							Date : .....		
SL. NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount	
					In Figures	In Words			
1	424.00	Cum	Earth work excavation for foundation in all soils and sub-soils and to full depth as may be directed except in rock requiring blasting inclusive of shoring shuttering, bailing out water wherever necessary and depositing the surplus earth within the compound in places shown by the departmental officers with an initial lead of 10 mts and initial lift of 2 mts. and clearing and levelling the site, etc., complete complying with standard				One Cum		
2	30.00	Cum	Supplying and fillingwith Quarry dust and Gravel mix 1:3 ratio, filled up in 150mm layers with moisture percentage of 18% including cost and conveyanvce of Quarry dust, gravel and all labour charges filling ramming etc., Complete with std specification.				One Cum		
3	100.00	Cum	Supplying and filling in foundation and basement,etc with filling M-Sand in layers of not more than 15cm thickness well watered rammed and consolidated etc.Complete complying with std specification and as directed by the departmental officers.				One Cum		
Contractor :				No of Corrections: No of over writing:			Executive officer		

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4	34.00	Cum	Cement Concrete 1:5:10 (One Cement, Five Sand and Ten hard broken stone jelly) using 40 mm gauge hard broken granite stone jelly for foundation including dewatering wherever necessary and laid in layers of not more than 15 cm thick well rammed, consolidated and curing etc. complete complying with standard specification				One Cum	
5	120.00	Cum	Centering for soffits of RCC slab of plane surface like lintel,beam etc.,including strutting 3.0m height using M.S.sheets of size 90 x 60cm and BG 10 stiffener with M.S.Angles of size 25x25x3mm laid over silver oak (CW) joists size 10cm x6.5 cm (spaced at about 90cm c/c) and supported by Casurina prop. 10cm to 13cm dia ( spaced of 75cm C/C) complying with standard specificatio and directed 10 Sqm.				One Cum	
6			Centering for soffits of RCC slab of plane surface like lintel,beam etc.,including strutting 3.0m height using M.S.sheets of size 90 x 60cm and BG 10 stiffener with M.S.Angles of size 25x25x3mm laid over silver oak (CW) joists size 10cm x6.5 cm (spaced at about 90cm c/c) and supported by Casurina prop. 10cm to 13cm dia ( spaced of 75cm C/C) complying with standard specificatio and directed 10 Sqm.					
	236.00	Sqm	<b>For plane surface such as RCC roof of slab, lintel,portico,etc.</b>				One Sqm	
	116.00	Sqm	<b>For plane surface such as Columns, sill, sunshades,slab,etc.</b>				One Sqm	
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7			Providing and laying position,Standardised concrete mi M-20 Grade in accordance with IS :456-2000,using 20mm and down graded hard brocken granite stone jelly for all Rcc items of works with minimum cement content of 3250 kg/cum and maximum water cement ratio of 0.55,inculding admiture (plasticiser / super plasticiser) in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workablity without imparing strengh and durability with about (5 cum)7730 kg. of 20mm machine crushed stone jelly and with about (3.3 cu.m)5156 kg of 10-12 mm machine crushed stone jelly and with about(4.79 cu.m)7670 kg of Sand ,but eculding cost of reinforcement grill and fabricating charges,centering and shuttering and also inculding laying, vibrating with mechanical vibrtors, finishing, curing, etc, complete complying with standred specification and ass directed by the departmentel officers.the coarse and fine aggregates to be used shoul comply with the requirments of IS standreds.(No separate pand silicon packing all round the frames. The window should be got approv					
	44.00	Cum	<b>A)Foundatin and basement</b>				One Cum	
	32.00	Cum	<b>B)Superstructure</b>				One Cum	
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8	7.80	Mt	Supplying and fabricating and placing in position MS grills for reinforcement including cost of steel for all works. The rate including cost of binding wire also (SS NO 134)					
9			Brick work in Cement Mortar 1:6 using Country bricks size 83/4"x41/4"x23/4" cluding cost and conveyance of all materials and labour charges and all other incidental charges etc complete complying with standard specification.					
	80.00	Cum	<b>A) Basement</b>				One Cum	
	54.00	Cum	<b>B)Superstructure</b>				One Cum	
10	22.00	Sqm	Brick partition walls of <b>10.80cm thickness</b> using best quality <b>Country Bricks of size 8-3/4" x 4-1/4" x 2-1/4"</b> in Cement Mortar 1:3 (One Cement and Three Sand) using hoop iron reinforcement if found necessary including curing etc. complete and as directed by the departmental officers. (Hoop iron reinforcement will be measured and paid for separately)				One Sqm	
11	118.00	Sqm	Paving in floorwith plain design (colour and shade as directed)ceramic tiles of size 305mm x 305mm x 8 mm in floors over a base layer of cement mortar 1:3 (One Cement and Three Sand) 20mm thick laid in site and pointed with same colour cement.				One Sqm	
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12	172.00	Sqm	Dadoing walls with glazed tiles 300x 450x8 mm size of approved and make quality and colour ISet in cement mortar 1:2 (One Cement and Two sand) over 10mm base layer plastering and pointed wit white cement neatly as directed.				One Sqm	
13			Solid PVC door shutters using 19 Gauge 19mm MS square tubes for styles and outer frames. 15mm MS square tubes for top, lock and bottom rails. The steel tubes shall be covered with 5mm thick solid PVC sheets. Shutter using 5mm thick solid PVC sheets for panelling shall rigidly fixed in position including necessary furniture and fittings. The over all size of styles shall be 50mm x 30mm. The over all size of top rail, Lock rail and bottom rail shall be 75mm x 30mm. The over all size of frames shall be 50mm x 45mm, with suitable rabate for housing the shutter with necessary furniture and fittings.					
	32.00	Sqm	<b>Solid panel PVC door with frame</b>				One Sqm	
14	1074.00	Sqm	Plastering with cemet mortar 1:5,12mm thick including cost and conveyance of all materials and all labour charges,curing etc,complete complying with standard specifications.				One Sqm	
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15	360.00	Sqm	Special plastering for RCC slabs, beams, sunshades with Cement Mortar 1:3 (One Cement and Three Sand) 20mm thick including cost and conveyance of all materials and labour charges,curing, etc.complete complying with standares specifications.				One Sqm	
16	1434.00	Sqm	Painting two coat with approved water based Emulsion over the cement plastered wall surface, ceiling and other new surface including clearing preparing the surface curing in all floors including brushes etc., complete as per specification. - 10 m 2 ( S.I. No 358 )				One Sqm	
17	12.00	Cum	Weathering course concrete with broken jelly 20mm size and pure slaked lime over RCC roof slab, the proportion being 32:12.5 for required depth of 80mm for giving required slope and thickness of roof on required, well beaten with wooden beater etc, complete with standard specifications.				One Cum	
18	160.00	Sqm	Finishing the top of roof with one course of machine pressed tiles 20cmx 20cmx20mm of approved quality laid in cm 1:3,12mm thick mixed with water proofing compound 2% by weight of cement used etc, complete with standard specifications.				One Sqm	
19	28.00	Rm	Providing & fixing rain water down fall pipes of 110mm dia pvc pipes with necessary shoes bends clamps screws nails etc complete with standard specifications.				One Rm	
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20	306.00	Kg	Supplying and fixing mild steel grill Gate including cost conveyance of all materials and fixing in position including priming coat etc complete with standard specifications.				Kg	
21	14.00	Sqm	Painting new iron works such as gate, steel doors, windows, ventilators with two coats of best approved first quality and colour of synthetic enamel paint including one coat of priming over the existing red oxide priming coat in all floors excluding cost of priming coat etc., complete complying with standard specification.				One Sqm	
22			Supplying, laying and jointing PVC pipes (having working pressure 10 kg. / sq.cm) of approved quality and best variety conforming to BIS of the following dia including cutting, threading and fixing PVC specials using PVC adhesives (but excluding cost of such specials) and fixing into wall with teak wood plugs, PVC clamps and screws making holes on the wall (or) drilling holes in the roof and making good the dismantled portion to original condition with necessary brick work / cement concrete and plastering neatly wherever necessary with necessary scaffolding charges, etc., complete complying with standard specifications. The PVC pipes shall be got approved by Executive Engineer before use on works.					
	62.00	RM	<b>25mm dia PVC Pipes</b>				RM	
	44.00	RM	<b>20mm dia PVC Pipes</b>				RM	
	60.00	RM	<b>32mm dia PVC Pipes</b>				RM	
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23			Supplying PVC Specials (with working pressure 10 kg. / sq.cm.) in water supply arrangements (both in internal and external water supply arrangements.					
	4.00	Nos	25mm PVC bend				Nos	
	8.00	Nos	25mm PVC 'L' Bow				Nos	
	30.00	Nos	25mm PVC T				Nos	
	4.00	Nos	20mm PVC bend				Nos	
	30.00	Nos	20mm PVC 'L' Bow				Nos	
	50.00	Nos	20mm x 15mm PVC Reducer				Nos	
	2.00	Nos	S&F 25mm GM Gate value				Nos	
	1.00		S&F 20mm GM Gate value				Nos	
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24	50.00	Nos	Supplying and fixing in position 15mm dia brass CP screw down tap / Pillar tap (heavy duty) of approved make conforming to BIS specifications and quality including cost of shellac, thread, etc., complete complying with standard specification and including cutting and threading wherever necessary. (Taps should be got approved by the Executive Engineer before use on the works)				Nos	
25			Supplying and fixing in position best quality PVC soil / waste pipes of various dia having 6 kg / sq.cm. pressure BIS mark and providing leak proof joints using PVC adhesives including fixing to the wall with special PVC / MS clamp, teak wood plugs, brass screws, etc., and making connection to all sanitary fittings, dismantling masonry / RCC works wherever found necessary and making the good dismantled portion to the original condition, including testing for any leakages, etc., complete complying with standard specifications. (The PVC pipes should be got approved by the Executive Engineer before use on works). The rate for earth work excavation will be measured and paid separately in the cases where the pipe lines are proposed to laid below ground level					
	110.00	Rm	<b>110mm PVC Pipe</b>				RM	
	52.00	RM	<b>75mm PVC Pipe</b>				RM	
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26			Supplying and fixing in position PVC specials of the following dia and types of approved quality confirming to BIS and providing leak proof joints including fixing to the walls and giving connection to the PVC soil stacks, dismantling the masonry or RCC works and re-doing the dismantled portion to original condition etc., complete complying with standard specifications. (The PVC specials should be got approved by the Executive Engineer before use on works).					
	10.00	Nos	<b>PVC 100 x 75 mm Nahami Traps</b>				<b>Nos</b>	
	40.00	Nos	<b>110mm PVC Bend</b>				<b>Nos</b>	
	16.00	Nos	<b>110mm PVC Tee</b>				<b>Nos</b>	
	8.00	Nos	<b>110mm PVC Elbow</b>				<b>Nos</b>	
27			Supplying and fixing PVC ventilating shaft of 110mm dia (having working pressure 4 kg. / sq.cm) with 3 metre height including cost of PVC cylindrical cowl of best approved quality etc., complete complying with standard specifications and as directed by the departmental officers					
	2.00	Rm	<b>100 mm dia</b>				<b>RM</b>	
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28	16.00	Nos	Supplying and fixing in position CI manhole covers with CI frames (Heavy duty) of size 60cm x 60cm of best approved quality as per standard specification etc., complete compying with standard specifications				Nos	
29	16.00	Nos	Supplying and fixing in position Indian water closet of size 580 X 440mm, white glazed earthen ware of approved quality with 'P' trap or 'S' trap confirming to BIS sand cushion and forming flooring alroundthe closet using 40mm broken brick jelly in lime concrete 1:2:5 ( one part of lime, two parts of sand and five parts of brick jelly) 100mm thick and finishing the top to required slope and including giving necessary connection to cast iron soil pipes(including the cost of 100mm dia CI pipe for a length of 600mm) by dismandling brick masonry, reinforced cement concrete roof/floor slab and making good the disturbed portion to original condition with leakages etc.,complete complying with stsndard specifications and as directed by departmental officers.( The water closet should be got approved by the Executive Engineer before use on works ).				Nos	
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30	4.00	Nos	Supplying and fixing in position white / colour glazed European Water Closet of best quality and approved make with 100 mm "P" or "S" trap connecting with CI pipe of 100mm dia / PVC pipe of 110mm dia, double flapped rigid PVC black seat and seat cover with CP brass hinges including cost of white cement, cement for packing, spun yarn, teak wood plugs, brass screws, etc., including supplying and fixing 10 litres capacity PVC / 12.5 litres capacity porcelin low level flushing tank with a pair of CI brackets, etc., complete with all fittings such as 15mm brass ball valve with polythene float with brass handle, union, coupling connected by means of 40mm white PVC flush hand using Indian adopter joint including all internal fittings.....					
31	24.00	Nos	Supplying and fixing in Squatting type urinal (SOR P .no-61,S.no-221)				Nos	
32	40.00	Nos	Wiring with 2x1.5sqmm (22/0.3) PVC insulated unsheathed SC Cu. Conductor of 1100V grade in suitable PVC rhgid pipe concealed in wall and ceiling with PVC accessories with TW switch box and 5A F.T switch in flush with wall with 3mm thick hylum sheet cover for making good of the concealed portion with suitable colour for PVC concealed Light point / Fan point (for electronic regulator) (SD 24)				Nos	
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33	8.00	Nos	Wiring with 2x1.5 sqmm(22/0.3) PVC insulated SC unsheathed Cu. Conducted of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with 150mm x 100mm x 113mm TW switch box with 3 mm thick Hylem sheer cover for 5 A 3 pin non inter locking wall socket with 5 A 3 pin flush type switch with continious earth wire connection of 14SWG TC wire and making good of the concealed portion with suitable colour for concealed PVC plug Point. SD 38				Nos	
34	20.00	Nos	Supply and fixing of single boxtype 20W LED Light fitting (Higher End Philips/Havells/Equivalent) complete on wall or ceiling with tubes and PVC unsheathed copper leads from terminals to the fitting. DATA1				Nos	
35	16.00	Nos	Supply and fixing of 300 mm (12") sweep (light duty) AC exhaust fan complete with necessary wall opening and making good of the wall SD 114				Nos	
36	2.00	Nos	Supply and fixing of Horizontal type 4 way triple pole neutral MCB distribution board in sheet steel enclosure Double door (Metal) with 40 A 4 pole MCB isolate as incoming and 12 Nos. 6 A to 32 A SP MCB as outgoing in flush with wall and making good of the concealed portion with earth connection. The MCBDB and MCB's should be with the ISI mark (like standard make) SD 179				Nos	
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37	4.00	Nos	Supply and fixing of 48 W LED Street light out Door fitting complete with 19mm dia GI Pipe (class "B") with one number 19mm GI bend complete on the existing post (or) wall with 16A areial fuse unit in MS palte with PVC unshealthed copper leads MS clamps and aluminium painting from terminal to the fitting. DATA2				Nos	
38	40.00	Rm	Supply and run of 2 of 2.5sqmm (36/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100V Grade in suitable PVC rigid pipe concealed in wall and ceiling with continuous earth wire connection of 14SWG TC wire and making good of the concealed portion with suitable colour ( SD 45 )				Rm	
39	26.00	Sqm	Paving the floor with pre-polished concrete anti-skid tiles (Required shape and design) of 20mm thick of approved quality and colour laid in Cement Mortar 1:3 (One Cement and Three sand) 20mm thick and pointed with white cement mixed with colouring pigment at the rate of 0.40 Kg. / sq.m., curing, etc., complete complying with standard specification and as directed by the departmental officers. (The make and brand of the tiles should be got approved by Executive Engineer before use on works)				One Sqm	
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40	10.00	Rm	Manufacturing, Supplying and Fixing of Stainless Steel Hand rails for staircase using 50mm dia 304L Grade Stainless Steel pipe of 1.60mm thick at required locations to a height of 900mm from finished floor level welded to 38mm dia Stainless Steel pipe post of 1.00mm thick as vertical at 900mm centre with 2 Nos. of 25mm dia intermediate horizontal stainless steel pipe of 1.60mm thick in between. The vertical pipe has to be welded to the 100 X 100 X 6mm MS base plate encased in the base concrete. The rate is inclusive of the charges for cutting, bending, welding, grinding, polishing, conveyance, electrical charges, etc. complete				One Sqm	
Contractor :			No of Corrections: No of over writing:					Executive officer

