

PONDICHERY UNIVERSITY
ENGINEERING WING

SCHEDULE OF WORK

Name of the work: Construction of additional toilet block at Rajiv Gandhi Cricket Stadium

S. No.	Description	Qty.	Rate Rs.P.	Unit	Amount Rs.P.
1 2.8.1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm 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	49		Cum	
2 4.1.10	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering.- All work upto plinth level -1:5:10 (1 cement:5coarse sand : 10 graded stone aggregate 40mm nominal size)	9		Cum	
3 6.1.2	Brick work with FPS bricks of class designation 35 in foundation and plinth in cement mortar 1:6 (1 cement : 6 coarse sand)	22		Cum	
4 6.4.2	Brick work with FPS bricks of class designation 35 in superstructure above plinth level upto floor V level in all shapes and sizes in cement mortar 1:6 (1 cement : 6 coarse sand)	39		Cum	
5 6.13.2	Half brick masonry with FPS bricks of class designation 35 in superstructure above plinth level upto floor V level in cement mortar 1:4 (1 cement: 4 coarse sand)	56		Sqm	
6 6.15	Extra for providing and placing in position 2 nos. 6mm dia MS bars at	13		Sqm	

	every third course of half brick masonry (with FPS bricks).				
7 5.16	Providing , hoisting and fixing upto floor five level precast reinforced cement concrete in shelves including setting in cement mortar 1:3 (1 cement : 3 coarse sand) , cost of required centring , shuttering and finishing with neat cement punning on exposed surfaces but excluding the cost of reinforcement with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone	0.60		Cum	
8 5.22.6	Reinforcement for R.C.C work including straightening , cutting , bending , placing in position and binding all complete - Thermo - Mechanically treated bars (TISCON / VIZAG / IISCO /SAIL / JSW) including placing the M30 grade Athees make cover block @ 60cm centre to centre	316		Kg	
9 5.18.1	Providing precast cement concrete jali 1:2:4 (1cement :2 coarse sand : 4 graded stone aggregate 6mm nominal size) reinforced with 1.6 mm dia mild steel wire including centring and shuttering , roughening cleaning , fixing and finishing in cement mortar 1:3 (1 cement : 3 fine sand) etc. complete excluding plastering of the jams , sills and soffits.- 50 mm thick	5		Sqm	
10 10.1	Structural steel work in single section fixed with or without connecting plate including cutting,hoisting, fixing in position and applying coat of approved steel primer all complete	232		Kg	
11 13.61. 1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade - Two or more coats on new work	11		Sqm	
12 9.119	Providing and fixing factory made P.V.C. door frame of size 50x47mm with a wall thickness of	114		M	

	5mm, made out of extruded 5mm rigid PVC foam sheet mitred at corners and joined with 2nos.of 150mm long brackets of 15x15mm M.S.square tube, the vertical door profiles to be reinforced with 19x19mm M.S.square tube of 19 gauge,EPDM rubber gasket weather seal to be provided through out the frame.The door frame to be fixed to the wall using M.S.screws of 65/100mm size complete as per manufacturers specification				
13 9.120. 1	Providing and fixing to existing door frames - 30mm thick factory made solid panel PVC door shutter consisting of frame made out of M.S .tubes of 19 gauge thickness and size of 19mm x 19mm for stiles, top & bottom rails . M.S.frame shall have a coat of steel primers of approved make and manufacture M.S.frame covered with 5mm thick heat moulded PVC 'C channel of size 30mm thickness, 110mm width out of which 90mm shall be flat and 20mm shall be tapered in 45 dgree angle on either side forming stiles; and 5mm thick , 110mm wide PVC sheet out of which 90mm shall be flat and 20mm shall be tapered on the inner side to form top and bottom rail and 130mm wide PVC sheet out of which 90mm shall be flat and 20mm shall be tapered on both sides to form lock rail.Top bottom and lock rails shall be provided either side of the panel. 10mm(5mmx 2) thick , 20mm wide cross PVC sheet shall be provided as gap insert for top rail & bottom rail. Panelling of 5mm thick PVC sheet to be fitted in the M.S.frame welded/sealed to the stiles & rails with 7mm (5mm + 2mm) thick x	32		sqm	

	15mm wide PVC sheet bending on inner side , and joined together with solvent cement adhesive. An additional 5mm thick PVC strip of 20mm width is to be stuck on the interior side of the 'C channel using PVC solvent adhesive etc. complete manufactures specification & drawing.				
14 5.13	Providing , hoisting and fixing upto floor five level precast reinforced cement concrete in small lintels not exceeding 1.5m clear span upto floor five level including the cost of required centring, shuttering and finishing smooth with 6mm thick cement plaster 1:3 (1 cement : 3 fine sand) on exposed surfaces but excluding the cost of reinforcement with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal -size)	2		Cum	
15 13.2.2	15mm cement plaster on the rough side of single or half brick wall of mix: cement mortar 1:6 (1 cement : 6 fine sand)	236		Sqm	
16 13.1.2	12mm cement plaster of mix :Cement mortar 1:6 (1 cement : 6 fine sand)	242		Sqm	
17 13.47. 1	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade - New work (Two or more coats applied @ 1.43 ltr / 10 sqm over and including base coat of water proofing cement paint applied @ 2.20 kg/10 sqm)	478		Sqm	
18 11.36 A	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacture of approved make (Jhonson / Asian / Somany / Nitco) in all colours, shades of size 200 x 300 mm as approved in skirting, risers of steps and dados over	117		Sqm	

	12mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm. Including pointing in white cement mixed with pigment of matching shade complete. - size 200x300mm				
19 11.38	Providing and laying ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of first quality conforming to IS: 15622 of approved make (Bell / Johnson / Regency / Somany / Naveen / Asian) in all colors, shades, except white, ivory, grey, fume red brown laid on 20mm thick bed of cement mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement and matching pigments etc., complete.	42		Sqm	
20 12.70	Providing and fixing colour coated galvalume sheet of 550 M.P.A yield of AZ 150 strength formed as per patterned steel rib profile with the depth of 31mm pitch of 250mm and overall width of 1060mm and thickness 0.5mm with required J or C hook bolts and nuts 8mm dia G.S paint and working etc., complete excluding the cost of purlin , rafter and truss etc.,	74		Sqm	
21 17.1.1	Providing and fixing water closet squatting pan (Indian type W.C.pan) with 100mm sand cast iron P or S trap, 10 litre low level white P.V.C . Flushing cistern 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 : white vitreous china Orissa pattern W.C .pan of size 580X 440mm with integral type foot rests.	6		Each	

22 17.68. 1	Providing and fixing vitreous china dual purpose closet suitable for use as squatting pan or European type water closet (Anglo Indian WC pan) with seat lid with C.P brass hinges and rubber buffers, 10 litre low level flushing cistern with fittings and brackets, 40mm flush bend 20mm over flow pipe with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fitting and brackets, cutting and making good the walls and floors wherever required. White vitreous china dual purpose WC pan with white solid plastic seat and lid with white vitreous china flushing cistern and CP flush bend.	4		Each	
23 17.7.2	Providing and fixing wash basin with CI brackets, 15mm CP brass pillar taps 32 mm CP brass waste of standard pattern including painting of fittings and brackets, cutting and making good the walls wherever required White vitreous china wash basin size 630x450mm with a single 15mm CP brass pillar taps.	6		Each	
24 18.53. 1	Providing and fixing CP brass angle valve for basin mixer and geyser points of approved quality conforming to IS 8931 – 15 mm nominal bore	10		Each	
25 18.54. 1	Providing and fixing PTMT bib cock of approved quality and colour 15 mm nominal bore, 86mm long weighing not less than 88 gms.	20		Each	
26 16.68	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M-30 grade made by block making machine with strong vibratory compaction and of approved size	27		Sqm	

	and design /shape laid in required colour and pattern over and including 50mm thick compacted bed of course sand, filling the joints with coarse sand etc.filling the joints with course sand etc.all complete				
27	Providing and fixing pvc pipes complete with pvc fittings including trenching and refilling etc., for external work of 160mm dia (6kg/sqm) nominal bore. The rate includes cost of material and labour charges etc.,	90		Mt.	
28 10.27	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.	54		Kg	
29	Providing and fixing pvc pipe complete with fittings and calmps including cutting and making good the walls etc., (internal work) expected on a wall 20mm nominal bore	80		M	
30	Providing and fixing pvc trap with pvc grating with or without vent arm complete including providing necessary lubricant and slip ring for fixing fittings, cost of cutting and making good the walls and floors 110mm inlet and 110mm outlet	14		Each	
	Total				

I hereby abide the rules and regulations stipulated in the CPWD form no. 6 & 8.

Contractor

Assistant Engineer