

CSR work of construction of Police Community Hall at Police Headquarters Shinay.

SCHEDULE - B							
Agreement Item No	Description of Item	Quantity	Rate		Unit		Amount (In Rs.)
			In Fig.	In Words	In Fig.	In Words	
1	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan), including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.50 m, as directed by Engineer-in-charge. All kinds of soil	102.1			m3	One Meter Cube	
2	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation	15.8			m3	One Meter Cube	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level						
3-A	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	109.3			m3	One Meter Cube	
4	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering,shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge.“(Note :- Cement content considered in this item is @ 330 kg/cum.“Excess/ less cement used as per design mix is payable/recoverable separately)						
4-A	All works upto plinth level	84.1			m3	One Meter Cube	
4-B	All works above plinth level upto floor V level	257.3			m3	One Meter Cube	
5	Centering and shuttering including strutting, propping etc. and removal of form for all heights :						
5-A	Foundations, footings, bases of columns, etc. for mass concrete	56.7			m2	One Meter Square	
5-B	Columns, Pillars, Piers, Abutments, Posts and Struts	374.0			m2	One Meter Square	
5-C	Lintels, beams, plinth beams, girders, bressumers and cantilevers	675.0			m2	One Meter Square	
5-D	Stairs, (excluding landings) except spiral- Staircases	39.5			m2	One Meter Square	
5-E	Extra for additional height in centering, shuttering where ever required with adequate bracing, propping etc., including cost of de-shuttering and decentering at all levels, over a height of 3.5 m, for every additional height of 1 metre or part there of (Plan area to be measured).						
	Suspended floors, roofs, landing, beams and balconies	643.2			m2	One Meter Square	

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6	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5m	456.1			m3	One Meter Cube	
7	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with :						
7-A	Cement mortar 1:6 (1 cement : 6 coarse sand)	20.3			m3	One Meter Cube	
8	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :						
8-A	Cement mortar 1:4 (1 cement : 4 coarse sand)	99.4			m3	One Meter Cube	
9	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position						
9-A	Thermo-Mechanically Treated bars of grade Fe-500D or more.	43706.7			kg	One Kilogram	
10	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) finished rough with sponge.	2776.8			m2	One Meter Square	
11	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.	608.1			m2	One Meter Square	
12	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	145.1			m2	One Meter Square	
13	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).						
13-A	Second class teak wood	0.2			m3	One Meter Cube	

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14	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge.						
14-A	Second class teak wood	9.2			m2	One Meter Square	
15	Providing and fixing ISI marked flush door shutters conforming to IS :2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.						
15-A	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	17.4			m2	One Meter Square	
16	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.						
16-A	Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble						
	Area of slab upto 0.50 sqm	9.9			m2	One Meter Square	
17	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :						
17-A	One urinal basin with 5 litre white P.V.C. automatic flushing cistern	6.0			Each	One Number	
18	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, 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:						
18-A	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	8.0			Each	One Number	

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19	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:						
19-A	White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	8.0			Each	One Number	
20	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	2776.8			m2	One Meter Square	
21	Finishing walls with Acrylic Smooth exterior paint of required shade :						
21-A	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	975.8			m2	One Meter Square	
22	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :						
22-A	New work (two or more coats) over and including water thinnable priming coat with cement primer	1800.9			m2	One Meter Square	
23	Providing and fixing double glazed hermetically sealed glazing in aluminium windows, ventilators and partition etc. with 6 mm thick clear float glass both side, having 12 mm air gap, including providing EPDM gasket, perforated aluminium spacers, desiccants, sealant (Both primary and secondary sealant) etc. as per specifications, drawings and direction of Engineer-in-charge complete.	44.9			m2	One Meter Square	
24	Providing and fixing Polyethelene-Aluminium-Polyethelene (PE-ALPE) Composite Pressure Pipes conforming to IS - 15450, U.V. stabilized with carbon black having thermal stability for hot & cold water supply, capable to withstand temperature up to 80°C, including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers & connectors etc., with clamps at 1.00 metre spacing. This includes the costs of cutting chases and including testing of joints complete as per direction of the engineer in charge. CONCEALED WORK, including cutting chases and making good the wall etc.						
24-A	1216 (16 mm OD) pipe	30.0			m	One Meter	
24-B	1620 (20 mm OD) pipe	30.0			m	One Meter	
24-C	2025 (25 mm OD) pipe	70.0			m	One Meter	
24-D	2532 (32 mm OD) pipe	70.0			m	One Meter	
25.1	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :						
25.1-A	15 mm nominal bore	30.0			Each	One Number	
25.2	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931						

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			In Fig.	In Words	In Fig.	In Words	
25.2-A	15mm nominal bore	30.0			Each	One Number	
25.4	Providing and fixing PTMT swivelling shower, 15 mm nominal bore, weighing not less than 40 gms	2.0			Each	One Number	
25.5	Providing and fixing PTMT pillar cock of approved quality and colour						
25.5-A	15 mm nominal bore, 107 mm long, weighing not less than 110 gms	8.0			Each	One Number	
25.6	Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./ H.P.H.D. plastic ball.						
25.6-A	15 mm nominal bore, 105 mm long, weighing not less than 138 gms	4.0			Each	One Number	
25.7	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.						
25.7-A	15 mm nominal bore	2.0			Each	One Number	
25.8	Providing and fixing gun metal non- return valve of approved quality (screwed end) :						
25.8-A	50 mm nominal bore	2.0			Each	One Number	
26.1	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :						
26.1-A	150 mm dia. R.C.C. pipe	40.0			m	One Meter	
26.2	Constructing masonry Chamber 60x60x75 cm, inside in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for fire hydrants, with C.I. surface box 350x350 mm top and 165 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) , i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand:10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design :						
26.2-A	With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	3.0			Each	One Number	
26.3	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating 100x100 mm size P type With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	3.0			Each	One Number	
26.4	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion,(i) Single socketed pipes. 110 mm diameter	60.0			m	One Meter	

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27	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	3000.0			LTR	One Liter	

Total Rs.

Rs. In words _____

Contractor

Executive Engineer (C)
Deendayal Port Authority