

SCHEDULE - B1 (Civil Works)

Name of work : To construct CSR work one community Hall at Vadinar old village

Item	Description	Qty	Unit	Rate		Amount
No				in figure	in word	
1	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth upto 50 m and lift upto 1.5 m as directed by Engineer-in-Charge	50.20	m3			
2	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 1.5 m.	103.95	m3			
3	Banking excavated earth in layers not exceeding 20 cm in depth breaking clods watering rolling each layer with ½ tonne roller or wooden or steel rammers and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up in embankments for roads flood banks marginal banks and guide banks etc. lead upto 50 m and lift upto 1.5 m :All kinds of soil	67.72	m3			
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering All work up to plinth level :1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	39.05	m3			
5	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. above plinth level up to floor five level, excluding cost of centering, shuttering finishing and reinforcement :1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	13.07	m3			
6	Reinforced cement concrete work in beams suspended floors roofs having slope up to 15° landings balconies shelves chajjas lintels bands plain window sills staircases and spiral stair cases above plinth level up to floor five level excluding the cost of centering shuttering finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).	48.91	m3			
7	Steel reinforcement for R.C.C. work including straightening cutting bending placing in position Thermo Mechanically Treated bars of grade Fe 500D or more.	9225.85	kg			
8a	Centering and shuttering including strutting propping etc. and removal of form for all heights :a) Foundations footings bases of columns etc. for mass concrete	58.38	m2			
8b	Centering and shuttering including strutting propping etc. and removal of form for all heights :b) Lintels beams plinth beams girders bressumers and cantilevers	127.13	m2			
8c	Centering and shuttering including strutting propping etc. and removal of form for all heights :b) Columns Pillars Piers Abutments Posts and Struts	149.03	m2			
8d	Centering and shuttering including strutting propping etc. and removal of form for all heights :b) Suspended floors roofs landings balconies and access platform	257.99	m2			
9	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 :Cement mortar 1:6 (1 cement : 6 coarse sand)	64.84	m3			
10	Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) :With F.P.S.(non modular) bricks	101.01	m3			
11	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry but excluding the cost of nosing of steps etc. complete.40 mm thick with 20 mm nominal size stone aggregate	233.00	m2			

12	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08 percentage 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. Size of Tile 600x600 mm	213.23	m2			
13	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours White Ivory Grey Fume Red Brown laid on 20 mm 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.	12.00	m2			
14	Providing and fixing 1st 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.	36.20	m2			
15	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement : 6 fine sand)	436.08	m2			
16	12 mm cement plaster finished with a floating coat of neat cement of mix :1:4 (1 cement: 4 fine sand)	500.38	m2			
17	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 and length (hold fast lugs or dash fastener shall be paid for separately). Second class teak wood	0.20	m3			
18	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.:35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	10.80	m2			
19	Providing and fixing aluminium work for doors windows ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS: 733 and IS:1285 fixing with dash fasteners of required dia and size including necessary filling up the gaps at junctions, i.e. at top bottom and sides with required EPDM rubber/neoprene gasket etc. Aluminium sections shall be smooth rust free straight mitred and jointed mechanically wherever required including cleat angle Aluminium snap beading for glazing / paneling C.P. brass/ stainless steel screws all complete as per architectural drawings and the directions of Engineer-in-charge.(Glazing paneling and dash fasteners to be paid for separately) :Powder coated aluminium (minimum thickness of powder coating 50 micron)	44.00	kg			
20	For shutters of doors windows and ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately): Powder coated aluminium (minimum thickness of powder coating 50 micron)	24.00	kg			
21	Providing and fixing glazing in aluminium door window ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer in charge . Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 4.0 mm thickness	19.20	m2			

22	Providing and fixing IS : 12817 marked stainless steel butt hinges (heavy weight) with stainless steel screws etc. complete :125x64x2.50 mm	20.00	No			
23	Distempering with dry distemper of approved brand and manufacture (two or more coats) of required shade on new work over and including water thinnable priming coat to give an even shade.	500.38	m2			
24	Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @	861.67	m2			
25	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture	0.64	m2			
26	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.80 ltr/10 sqm of approved brand and manufacture	32.31	m2			
27	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid 10 litre low level white vitreous china flushing cistern and C.P. flushbend with fittings & C.I. brackets 40 mm flush bend overflow arrangement with specials of standard make 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 ISI marked white solid plastic seat and lid	2.00	No			
28	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:White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap	2.00	No			
29	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :Circular shape 450 mm dia	2.00	No			
30 (a)	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes and fittings with onestep CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. 15 mm nominal outer dia Pipes	6.80	mtr			
30 (b)	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes and fittings with onestep CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. 25 mm nominal outer dia Pipes	32.40	mtr			
31	Providing and fixing brass bib cock of approved quality :15 mm nominal bore	2.00	No			
32	Providing and fixing ball valve (brass) of approved quality High or low pressure with plastic floats complete:25 mm nominal bore	2.00	No			
33	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.	1500.00	Ltr			
34	Steel work weld in built up sections/ framed work including cutting hoisting fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required:In gratings frames guard bar ladder railings brackets gates and similar works	358.66	kg			
35	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete :250x10 mm	5.00	No			
36	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	5.00	No			
37	Making soak pit 2.5 m diameter 3.0 metre deep with 45x45 cm dry brick honey comb shaft with bricks and S.W.drain pipe 100 mm diameter, 1.8 m long complete as per standard design.: With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	1.00	No			

38	Constructing brick masonry road gully chamber 50x45x60cm with bricks in cement mortar 1:4 (1 cement : 4 coarsesand) including 500x450 mm pre cast R.C.C. horizontal grating with frame complete as per standard design :With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	2.00	No			
39	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement: 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design. Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	2.00	No			
40	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings This includes jointing of pipes and fittings with one step CPVC solvent cement trenching refilling and testing of joints complete as per direction of Engineer in Charge.:100 mm nominal inner dia Pipes	25.00	mtr			
41	Providing and fixing M.S. fan clamp type I or II of 16 mm dia M.S. bar bent to shape with hooked ends in R.C.C. slabs or beams during laying including painting the exposed portion of loop all as per standard design complete.	10.00	each			
42	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 1.5 m as directed by Engineer in charge All kinds of soil	53.75	m3			
43	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering shuttering finishing and reinforcement All work up to plinth level 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).	12.32	m3			
44	12 mm cement plaster of mix 1:4 (1 cement: 4 fine sand)	425.59	m2			
45	Providing raised and cut (tuck) pointing on all types of masonry with cement mortar 1:3 scrubbing cleaning and curing etc. complete.	53.40	m2			