

Khalsa English Medium public School Chiti Singhpur Anathnag sri nagar						
S.No	Description	C.S.R.	Qty	Rate	Prem	Amount
1	Earth work in excavation in foundations, trenches etc. in all kinds of soil where pick jumper work is not involved and not exceeding 2.0 metres depth including dressing of bottom and sides of trenches, stacking the excavated soil clear from the edge of excavation	6.6 cum				
			589.93	72.91	80	77421.23
2	Earth filling under floors with surplus ordinary soil or soil containing gravel or kankar upto 40% taking outside the premises in 15 cm layers including ramming, watering and consolidated lead upto 30 metres.	6.8b(i)				
	lead 5km 5.2(i)		612.87	58.05	80	64038.79
	loading unloading 4.1b 16.80+9.80/2		621.87	142.5	20	104800.77
			621.87	21.7	75	23615.51
3	Shuttering for faces of concrete foundations and foundation beam & plinth beam (vertical or battering)	9.1				
			354.58	128.99	35	61745.32
4	Centring and shuttering for columns (Square or rectangular or poly gonal in plain) For Ground Floor	9.4				
			379.18	197.2	35	100945.30
5	Centring and shuttering for sides and soffits of beam, beams launchings girders bressumers, lintels For Ground Floor	9.6				
			331.42	153.78	35	68803.79
6	Centring and shuttering for flat surfaces such as suspended floors, roofs, landings, chajjas, shelves etc. For Ground Floor	9.8				
			524.56	166.23	35	117716.77
7	Centring and shuttering for stair cases with sloping with soffits including risers and stringers.	9.9				
			20.76	185.34	35	5194.34
8	Reinforced cement concrete M-20 with cement @375/kg per cum hand mixed but excluding steel reinforcement centring and shuttering in foundation and plinth	10.15				
			140.91	3434.04	28	619379.94
9	Reinforced cement concrete M-20 with cement @375/kg per cum hand mixed but excluding steel reinforcement centring and shuttering in superstructure. For Ground Floor	10.21				
			148.71	3782.35	28	719965.78
10	Damp proof course 4 cm thick of cement concrete 1: 2: 4 with two coats of bitumen 20/30 penetration @ 1.65 kg per sqm laid hot and sanded.	10.28				
			56.37	206.58	30	15138.39
11	Extra for mechanical mixer used by the contractor at his own cost.	10.46			48	
	Extra for vibrator used by the contractor at his own cost.	10.47			160	
			289.62	208	18	71084.33
12	Cement Concrete 1:5:10 with Stone ballast 40mm gauge.	10.8 (b)				
			65.55	1752.39	35	155073.37
13	Extra for mechanical mixer used by the contractor at his own cost.	10.46				
			65.55	48	18	3712.75

14	First class burnt brick work laid in cement sand mortar 1:6 in foundation and plinth.	11.3				
			92.95	2448.15	54	350435.54
15	First class burnt brick work laid in cement sand mortar 1:6 in first storey upto 4 metres above plinth level.	11.4				
	For Ground Floor		140.7	2649.0	54	573982.19
	For 1st Floor Csr 11.29 + (Rs.54.86 Extra for story height)		35.82	2703.9	54	149153.04
16	115 mm thick brick wall laid in cement sand mortar 1:4 without reinforcement in super structure.	11.36				
			31.44	342.15	54	16566.08
17	Terracing consisting of tiles 22.86x11.43x3.83cm laid over 25 mm mud plaster 7.5 cm mud filling on another layer of 25mm mud plaster including two coats of bitumen laid hot at 1.65 Kg/sqm top of RCC slab including grouting with cement sand mortar 1:4 and top surface to be left clean after wire brushing etc.	13.13				
			675.66	384.83	54	400421.93
18	Top khurra 0.6m x 0.6m for rain water pipe in 25mm thick cement concrete 1:2:4 over 50mm thick cement concrete 1:8:16.	13.45				
			9.00	67.31	38	835.99
19	Bottom Khurra on ground 1.2m x 0.6m consisting of brick on-edge laid in cement mortar 1:3 over 75mm cement concrete 1:8:16 including 12.5mm thick cement plaster 1:3	13.51				
			9.00	402.20	45	5248.71
20	Cement concrete 1:2:4 gola 10cm x 10cm concave quadrant along junction of roofs with parapet wall finished smooth, where specially specified.	13.55				
			173.93	37.71	38	9051.28
21	Supplying and filling cinder on roof (1st Storey) including light ramming.	13.57				
			0	571.48	25	0.00
22	Embedding 100mm dia CI rain water non pressure ISI mark pipe in cement mortar during masonry work.	13.44				
			32.93	734.74	30	31453.48
23	Providing and fixing cast iron shoe for rain water pipe on wooden plugs fixed on wall face including filling the joints with spun yarn and cement mortar 1:2.	13.43				
			9	473.19	30	5536.32
24	Base course of floor consisting of 100mm thick cement concrete 1:8:16 and 100mm sand filling.	14.3				
			619.29	197.32	45	177187.54
25	Screed of 50mm thick cement concrete 1:8:16 to be laid below the topping.	14.11				
			619.29	92.05	30	74107.34
26	White glazed tiles 20 cm x 10 cm and 5 mm thick in skirting and dado on 12 mm thick cement plaster 1:3 in base and joined with white cement slurry in joints including bevelled corners.	14.81				
			107.30	738.80	39	110189.80

27	Kota stone tile flooring 20mm to 30 mm thick over 12.5mm thick base of cement mortar 1:3 (1 cement, 3 Sand) laid and jointed with neat cement slurry, mixed with pigment to match the shade of stone including rubbing and polishing.	14.88				
			516.94	997.67	35	696242.97
28	Kota stone tiles 20mm thick in skirting risers of steps, dado walls and pillars laid in 12.5mm thick cement mortar 1:3 (1 cement 3 coarse sand) and jointed with neat cement slurry mixed with pigment to match the shade of stone, including rubbing and polishing.	14.90				
			46.12	1021.00	35	63569.50
29	Providing and laying vitrified floor tiles of Size 600 x 600 mm in different sizes in light colour shades made using double charge Technology (thickness to be specified by the manufacturer) with water absorption's 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 fine sand), complete. (Soluble salt Print Penetration should be up to 1 to 2 mm after the tiles are fired & polished). (Soluble Salt Technology :- SST is an old and cheaper technology and is meant for tiles placed in low traffic areas. In this process, the yet unfired tile body is given a liquid colour screen-printing to create the design on the tile. It is called Soluble Salt Technology because soluble salt is used for giving the tile a particular pattern and colour. With this technology 2 - 2.7mm print are penetrated into the tile. Once the tiles have been fired and polished in order to create a glossy surface, approximately 0.7mm of the soluble print is shaved off, leaving a total print penetration of only 1 to 2 mm.)	14.128				
			50.05	1210.45	33	80575.42
30	Baroda green marble flooring 15mm to 20mm thick over 12.5mm thick base of Cement mortar 1:3 laid and jointed with white cement slurry with pigment to match the shade of marble including rubbing & Polishing.	14.150				
			21.84	1805.16	17	46126.89
31	12.5 mm thick cement plaster 1:4	15.9	1841.34	88.62	40	228451.37
32	20mm thick cement plaster 1:4 in two coat work	15.20	1059.00	119.84	40	177674.78
33	Plastering on underside of ceiling 10 mm thick cement plaster 1:3	15.43	685.15	87.70	40	84122.72
34	Preparation of plastered or concrete surface for painting (including sand papering the surface) using ready mixed cement based wall putty by applying two coats to get required finish	16.66	1841.34	42.04	25	96762.42

35	Distempering with Acrylic washable oil bound distemper (of approved manufacture) two coats over one priming coat to give an even shade	16.11				
			1156.19	37.75	50	65469.26
36	Finishing walls with Premium Acrylic smooth exterior paint with silicon additives of required shade with two coats applied @ 1.43litre/10 sqm over and including base coat of water proofing Cement Paint applied @ 2.20 Kg/10 sqm	16.61				
			1059.00	67.48	25	89326.65
37	Preparation of plastered or concrete surface for painting (including sand papering the surface) using ready mixed cement based wall putty by applying two coats to get required finish	16.66				
			216.17	42.04	25	11359.73
38	Applying pink primer or aluminum priming coat on wood work including preparation of surface knotting and stopping etc. (a) With special quality paint	16.17				
			216.17	17.28	25	4669.27
39	Painting two coats excluding priming coat with synthetic enamel paint in all shades on wood work, metallic or plastered, concrete surface to give an even shade.	16.18 (a)				
			216.17	48.02	25	12975.60
40	Applying priming coat with metal primer on new steel or iron work including preparation of surface. (a) With special quality paint	16.21 (a)				
			84.76	14.55	25	1541.57
41	Painting two coats excluding priming coat with ready mixed paint for metallic surfaces in all shades on steel or iron work (a) With special quality paint	16.22				
			84.76	42.99	25	4554.79
42	Factory manufactured flush door fixed in position iron hinges, etc (excluding the cost of any fittings other than specified above but including labour for fixing the same in position(Code : II Revision IS-2191 Part-I) 1973 Commercial with elm or gurjan facing on both \ Sides with laminated core and lipped edges:- 35 mm thick	17.27 (a) 4				
			28.14	2442.02	20	82462.13
43	Wrought iron and mild steel ladders, framed grills, grating etc. with ends of bars, riveted or welded or forged, framed window guards, barred iron doors, stair case, iron railing including cost of bolts and nuts or screws or welding rod, complete fixed in position.	18.4				
			22.8	7134.98	23	200093.38
44	Cold twisted deformed (ribbed/ tor steel) Bars Fe 415 grade as per IS 1786-1985 for R.C.C. works, where not included in the complete rate of R.C.C. including bending, binding, and placing in position complete.	18.17				
			290.00	5018.96	16	1688378.14

45	Supply & Fixing of pressed steel frames	18.24				
	(Chowkats) consisting of 18 gauge (1.25mm)	(b)				
	thick steel sheet of the specified					
	section(standard design latest) including iron lugs					
	(hold fasts) iron hinges, confirming to P.W.D.					
	specifications including bolts for fixing stops, locknotch					
	provision for receiving tower bolts,					
	Hydraulic spring and finished with one priming					
	coat of approved quality, fixed in position,					
	including the cost of cement concrete 1:3:6 for					
	filling in the frame and cement concrete 1:2:4 for					
	lugs complete.					
	Doors and windows frame of size 113mm					
	x 60mm with 35 mm wide single rebate					
	weighing 3.38 kg per meter.		124.84	315.26	23	48409.18
	(c) Doors and windows frame of size 151mm					
	x 60mm with 35 mm wide double rebate					
	weighing 3.95 kg per meter.		239.89	366.17	23	108043.84
46	Hollock wood doors shutter with	17.10				
	12mm thick phenol Bonded BWP ply ISI Marked	(iii)				
	anchor, Kit ply, Nova Teak, National Or					
	equivalent including Chowkats iron Hold fasts,					
	Corner straps, Hinges, Screws, Shocks Cleats,					
	Stops and Cords etc. complete fixed in position					
	(Single Leaf)					
	(a) Phenol Bonded B.W.P. ply panel					
	(i) 35mm thick					
			25.07	1615.21	40	56690.64
47	Wire gauze door shutter with Kail wood without	17.17				
	springs housed in chowkats (Single Leaf)	(ii)				
	(a) 35mm thick		25.07	1298.71	15	37442.46
48	Providing and fixing stair case railing made out of	18.30				
	M.S. square bars 20mm x 20mm as vertical part					
	0.70 m high fixed with M.S. base plate of 40mm x					
	40mm x 6mm and flat iron 40mm x 6mm as hand					
	rail complete in all respect	m	8	741.56	16	6881.68
						8004630.0

PUBLIC HEALTH WORKS						
S.No	Description	C.S.R.	Qty	Rate	Prem	Amount
49	Providing, Stringing out U.P.V.C. Pipes casting as per IS:15328-2003 class-SN-8 along the trenches and laying the same in Trenches to correct alignment and gradients, cutting and jointing including cost of specials complete as per specifications	29.65				
	a 110mm o/d pipe		72.13	310.73	40	31378.14
	c 160mm o/d pipe		82.10	633.79	40	72847.82
50	Construction of brick masonry inspection chambers size as given below upto 0.60 m average depth in 1:5 cement sand mortar, lime concrete with 40 per cent lime mortar 2:3 in foundation, cement concrete 1:2:4 benching 12.50mm thick cement plaster 1:2 with a floating coat of 1mm thick of neat cement, R.C.C. 1:2:4 slabs 100mm thick cement concrete topping 50mm thick with 455mm x 455mm, 455mm x 610mm inside light duty C.I. inspection chamber cover and frame (Weight as per I.S.I specifications) painted with 3 coats of black bitumastic paint conforming to I.S.I complete as per standard design.	29.89(b)				
	(b) 450mm x 600mm inside with 455mm x 610mm cover and frame light duty double seal		7.00	6315.03	30	57466.77
	(a) Size 450mm x 450mm inside with RCC 455mm x 455mm cover and frame light duty double seal		3.00	5469.14	30	21329.65
51	Providing and fixing in position Chinaware European type water closet P trap or S trap (to the approval of the Engineer-in-charge) suite-consisting of 10 ltr. PVC flushing cistern supported on angle iron bracket, short bend 32 mm dia including cost of solid white cover complete in all respect and to the entire satisfaction of engineer in charge.	30.4				
			5.00	3772.98	35	25467.62
52	Providing and fixing in position Chinaware Indian Orisa water closet sizes 580mm (to the approval of the Engineer-in-charge) suiteconsisting of 10 ltr. PVC flushing cistern supported on angle iron bracket including cost of long bend 32 mm dia complete in all respect and to the entire satisfaction of engineer in charge.	30.2				
			2.00	3700.53	35	9991.43
53	Providing and fixing jet spray with 2'-6" long PVC pipe. With C.P. Brass nut	30.8				
		(a)	5.00	401.77	35	2711.95
54	Providing and fixing in position best Indian make white ordinary lavatory suites consisting of C.P. brass waste 32mm dia, pair of angle iron bracket with one C.P. brass tap complete.	30.37				
	(ii) Size 550 mm x 400 mm	(ii)	5.00	2903.79	35	19600.58
55	Providing & Fixing in postion 15 mm i/d bib cock of best quality (as approved by the Engineer-in-charge).	30.65(B)				
	(B) C.P. brass Bib cock		7	615.05	20	5166.42

56	Providing & Fixing in position stop cock / Angle valve (as approved by the Engineer-in-charge)					
	(b) C.P.brass 15mm Concealed stop cock with flange.	30.66				
	(a) C.P.brass 15mm stop cock Male and female end	30.66 (a)	5.00	825.59	20	4953.54
			15.00	581.34	20	10464.12
57	Providing and fixing in position SWR UPVC soil waste vent or antisiphonage pipes as per IS -13592 including cutting, jointing, wastage, but excluding cost of lead jointing Double socket A Type	30.74				
	(b) 110mm i/d SWR UPVC pipe lines laid complete		60	199.23	30	15539.94
	(c) 75mm i/d SWR UPVC pipe lines laid complete		75	139.28	30	13579.80
58	CONCEALED IN WALL:Providing & fixing CPVC (Chlorinate Polyvinyl Chloride) FlowGuard CTS SDR 11 pipes conforming to IS 15778 , for Hot & Cold Water Supply including jointing of all FlowGuard Plain & brass threaded fittings with FlowGuard Solvent Cement , testing of joints, also cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. (Chases rates as per CSR item No 30.85 to be added)	28.16				
	b SDR -11 Pipe,20mm o/d		55.20	166.96	35	12441.86
59	INTERNAL / EXPOSED:Providing & fixing CPVC (Chlorinate Polyvinyl Chloride) FlowGuard CTS SDR 11 pipes conforming to IS 15778 & SDR 11 fittings upto 50mm, & Schd 40 pipes as ASTM F 441 & CPVC Schd 80 fittings above 50 mm for Hot & Cold Water Supply including jointing of all FlowGuard Plain & brass threaded fittings with FlowGuard Solvent Cement testing of joints on walls, terrace, ducts, shafts, ringline on terrace with all plugs, clamps complete as per direction of Engineer in Charge.	28.17				
	c 25mm		135.00	160.09	35	29176.40
	e 40mm		55.00	290.26	35	21551.81
60	Cutting chase in brick walls in cement or in floor for embedding G.I. or C.I pipes lines and making good the same to its original condition .(a) Size 75 mm x 75 mm	30.85				
			55.20	57.75	35	4303.53
61	Providing, fixing and jointing Union Couplings in G.I. Pipe lines.	28.41				
	b 20mm i/d G.I. Union	(b)	5	122.39	25	764.94
	c 25mm i/d G.I. Union		5	153.29	25	958.06
62	Providing, fixing and jointing gun-metal street valves (Heavy Pattern) with hand wheels, on G.I. Pipe lines laid in the	28.44				

	ground or inside buildings including all					
	carriages complete.					
	c 25mm i/d Gun Metal peet valve					
	heavy pattern		2.00	819.31	25	2048.28
	f 50mm i/d Gun Metal peet valve					
	heavy pattern.		2.00	2381.00	25	5952.50
63	Providing and fixing H.C.I. Floor traps	30.79				
	conforming to I.S.I. Specification of reputed	(b)				
	firm of the self cleaning design with C.P.					
	brass hinged grating with frame with or					
	without vent arm and including cement					
	concrete 1:2:4 under and around the floor					
	trap where required upto floor level complete					
	in all respects including cutting and making					
	good the walls and floors,etc. minimum					
	depth of water should be 150mm with a					
	minimum seal 50mm.		8	756.06	30	7863.02
64	Providing and fixing vitreous chinaware	30.43				
	standard pedestal for wash basin.					
	a Vitreous chinaware standard white					
	pedestal for wash basin.		5.00	943.24	35	6366.87
65	Providing and fixing in position gully traps	30.99				
	fixed in cement concrete 1:4:8 complete with	(a)				
	Grating 150mm x 150mm, cover and frame					
	clear opening 300mm x 300mm and out of					
	side size 330mm x 330mm and chamber					
	including cost of all bricks work in cement					
	mortar 1:5 cement concrete 1:2:4 in coping					
	around cover and frame etc. with three coats					
	of black bitumastic superior paint of					
	approved manufacture on all C.I. work as					
	per standard design minimum depth of					
	water should be 150 mm with a minimum					
	seal 50mm.					
	(a) 100mm internal Diametre S.W.gully					
	trap with H.C.I. grating and cast iron					
	cover weighing approximately 7.26					
	kg. and frame clear opening 300mm x					
	300mm and out of side size 330mm x					
	330mm		6.00	665.88	35	5393.63
66	Providing & fixing in position PVC water	30.97				
	storage tanks triple layer make as approves					
	by Engineer-in-Charge including hosting					
	and carriage from store to site of work					
	complete with providing and fixing 15mm or					
	20mm internal Diametre tanki nipple					
	complete.(Excluding cost of platform).		2500.00	5.59	38	19285.50
						406604.17

ELECTRICAL WORKS							
S.No	Description	C.S.R.		Rate	Prem	Amount	
67	Wiring in PVC insulated copper conductor single core FRLS cable (ISI marked), 1100volts grade to be laid in heavy gauge, uPVC, fire retardant conduit pipe 20mm/25mm dia. (2mm thick) ISI Marked, recessed in wall etc., complete with powder coated/anodized concealed metal boxes required for suitable number of modules, for having electronic fan regulators, bell push, electronic buzzer, 3pin 6Amp., 3pin 16/20Amp. Sockets and 6Amp./16/20Amp. Switches (Screw Type Modular Accessories) etc., and regulator 100watts, covered with Frame Plate etc., & including the cost of required number of modular switches/sockets, step type electronic fan PVC connector (For Fan Box and Electronic Buzzer), Steel Hooks, Circular Inspection Box (Recessed Type and Deep Type) uPVC conduit pipe & copper wire and other petty material etc. including the cost of cutting and filling up of chases:-	33.02					
	(i) b Wiring fan point with sheet metal fan box (shape hexagonal & sheet thickness not less than 1.60 mm) in PVC insulated copper conductor single core FRLS cable (ISI marked) overall 1.5 sq. mm, 1100volts grade with steptype electronic fan regulator 100watts.			37.00	942.83	5	36628.95
	(ii) Wiring light point in PVC insulated copper conductor singlecore FRLS cable (ISI marked) overall 1.5 sq. mm,1100volts grade.			20.00	490.45	5	10299.45
	(iv)Wiring 3 pin 6 Amp. wall socket (Shuttered) point in PVC insulated copper conductor single core FRLS cable (ISI marked) overall 1.5 sq. mm, 1100volts grade complete with bonding to existing earth with PVC insulated copper conductor single core FRLS cable (ISI marked) overall 1 sq. mm, 1100volts grade			16.00	482.68	5	8109.02
	(vi) Wiring 3 pin 16/20 amp. power plug control (shuttered) andswitch.			4.00	385.57	5	1619.39
68	Sheet metal double door S.P. & N. distribution board (dustprotected) provided with bus bar, din bar,suitable for incorporating MCB's/ RCBO/ neutral link and RCCB's, 4 wayeach	33.17 (I)		2.00	898.43	5	1886.70
69	Miniature circuit breaker single pole 6 to 32amp. (Breaking capacity 10kA, Curve-C) suitable for 240/ 415 volts 50cycles AC supply	33.16 (ii)		14	165.68	5	2435.50
70	PVC INSULATED SINGLE CORE FRLS COPPER CONDUCTOR CABLE: (iv) PVC insulated copper conductor single core FRLS cable(ISI marked) overall 4 sq.mm, 1100volts grade	33.09		100	28.95	5	3039.75
	(iii) PVC insulated copper conductor single core FRLS cable (ISI marked) overall 2.5 sq.mm, 1100volts grade			250	20.94	5	5496.75
71	Supply and erection of sheet metal iron clad switch on existingsurface with G.I. bolts & nuts/ rag bolts and nuts etc.,according to the size of holes in the body of the enclosureincluding	33.18 (vi)					

	connections with suitable size of thimbles					
	and bonding to the existing earth as Per PWD					
	General Specifications 2010.					
	(vi) Sheet metal iron clad triple pole switch with					
	neutral link 63amp. 415 volts		2.00	2605.69	5	5471.95
72	Supply & erection of PVC pipes & HDPE pipes	33.12				
	(fire retardant) for wiring purposes including	(vii)				
	bends, inspection boxes etc., where necessary					
	including other petty material as per PWD					
	General Specifications 2010:-					
	(vii) Heavy gauge PVC conduit pipe 25mm dia.					
	(ISI marked 2mm thick) Flushed					
			125.00	38.95	5	5112.19
						80099.65

Civil Work 8004630.0
Public Health Work 406604.17
Electrical Work 80099.65
Total 8491333.851
Say 85,00,000/-
contingency 4.5% 382500
8882500
Grand Total Say 88,80000/-