

BRIHANMUMBAI MUNICIPAL CORPORATION

Proposed Repairs & Upgradation of Dalvi Plot Municipal Hindi School, Ram Nagar at Kandivali (E) R/S Ward, Mumbai. 400101

Measurement Sheet For Civil Works

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
PART 1 - (A) ENABLING WORK-DISMANTLING & DEMOLUTION									
1	R2-CS-DD-15	Dismantling steel work manually/ by mechanical means in built up sections without dismembering and stacking within 50 metres lead as per direction of Engineer-in-charge.							
		FF - Truss							
		roof trusses (existing) 80 MM DIA MS Pipe	12.00	21.03			252.36		
			4.00	14.76			59.04		
			4.00	6.22			24.88		
		Purline (existing) 80 MM DIA	18.00	28.05			504.90		
			9.00	12.65			113.85		
		Ground floor 80 MM DIA MS	43.00	1.65			70.95		
			4.00	24.00			96.00		
			4.00	21.40			85.60		
			2.00	10.50			21.00		
							1228.58		
		weight 6.81 kg/m	1	1228.58		6.81	8366.63		
		less weight due to corrrsion	-1	8366.63		0.20	-1673.33		
							6693.30	A	
		Bottom (existing) 100 MM DIA	2.00	28.05			56.10		
			1.00	12.65			12.65		
							68.75		
		weight 9.89 kg/m	1	68.75		10.95	752.81		
		less weight due to corrrsion	-1	752.81		0.20	-150.56		
							602.25	B	
		Total of A&B					7295.55		
		Consider 30%		7295.55		0.30	2188.67		
							say	2189.00	Kg
		Compound fencing							
		Front side	1	41.27		1.20	49.52		
		West side	1	14.10		1.20	16.92		
		East side	1	37.20		1.20	44.64		
		Middle compound wall	1	41.66		0.60	25.00		
		Play area Compond wall fencing							
		West side	1	44.34		0.60	26.60		
		East side	1	39.60		1.20	47.52		
		Deduct Gates	-1	4.60		1.20	-5.52		
			-1	2.50		0.60	-1.50		
			-1	2.00		0.60	-1.20		
		Window Grill (W)	21.00	2.40		0.90	45.36		
		(W2)	8.00	1.20		0.90	8.64		
		$W3=(0.9*1.2)+(2*0.1*0.9)+(2*1.2*0.1)$	4.00	1.5			6		
		V	11	0.60		0.8	4.95		
		W1	27	1.60		0.9	38.88		
							305.81		
		weight 1.18 kg/m	1	305.81		1.18	360.86		
								361.00	kg
								2550.00	kg

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
2	FA-18-SIC-GN-12	Removing, repair & refixing of M.S. collapsible gate of approved make including all fixtures & fastening, M.S. guides, rollers, locking arrangement as directed on both sides, sides fill with ball bearing, painting two coats of epoxy based paint over epoxy primer completed in all respect & all sizes. Removing, repair & refixing of M.S. collapsible gate of approved make including all fixtures & fastening, M.S. guides, rollers, locking arrangement as directed on both sides, sides fill with ball bearing, painting two coats of epoxy based paint over epoxy primer completed in all respect & all sizes.							
		Gate openings							
		Ground Floor							
		Main Gate	1	3.70		2.10	7.77		
		Collapsible Gate at Entrance	1	2.40		2.45	5.88		
		Collapsible Gate of Drinking Water	2	2.30		2.45	11.27		
		Folding Gates at passage	3	1.80		2.45	13.23		
		Back side gate	1	2.50		2.65	6.63		
			1	2.00		2.65	5.30		
		First Floor							
		Collapsible Gate at store room	1	1.90		2.45	4.66		
		Collapsible Gate at classrrom 10	1	1.20		2.10	2.52		
		Folding Gates at staircase	1	1.50		2.45	3.68		
		Folding Gates at water tank	1	1.80		2.45	4.41		
							65.34		
		contengancies 5%	1	65.34	0.05		3.27		
							68.60		
								69.00	sqmt
3	R2-CS-RW-10	Removing Existing Mangalore tiles / AC / GI / Galvalume Sheets from roof / cladding / partitions etc., excluding supporting structure but including scaffolding, orting, sorting and stacking at site lead up to 150m and or disposing etc complete as directed							
		Roof sheet							
		First Floor	1	11.60	8.98		104.17		
		for roof	2	29.75	9.59		570.61		
		Pump room	1	3.00	3.50		10.50		
		Ground floor	2	24.00	0.65		31.20		
			2	21.40	0.65		27.82		
			1	10.50	0.65		6.83		
							751.12		
		Add for contengencies (15%)	0.15				112.67		
							863.79	864.00	Sqm
4	R2-CS-DD-2	Demolishing R.C.C. slab, R.C.C. wall of any thickness, R.C.C.beams, joists, R.C.C. columns, piles, pile caps etc., in any thickness and size manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.							
		Provisional	1				1.00		
							1.00	1.00	Cum
5	R2-CS-DD-37-a	Removing drain pipes (soil, waste, water, ventilating and rain water pipes) of any size, with all fittings. 75 to80 mm dia							
		Girls, Boys & staff toilets	15	1.00			15.00		
							15.00		
		Add for contengencies 10%				10%	1.50		
							16.50	17.00	Rmt
6	R2-CS-DD-38-a	Removing G.I.pipes of any size with all fittings complete.							
		Girls, Boys & staff toilets	1	15.00			15.00		
		drinking water	2	4.00			8.00		
		Delivery water - pump room to Drinking water area	1	25.00			25.00		
		Supply water to all taps	1	30.00			30.00		
							78.00		

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
		Add for contingencies				10%	7.80		
							85.80	86.00	Rmt
7	R2-CS-PS-167-d	Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50 m lead and disposal of unserviceable materials into municipal dumps :- 250 mm diameter							
		Drainage line	1	60.00			60.00		
		Add for contingencies				10%	6.00		
							66.00	67.00	Rmt
8	R2-CS-DD-37-b	Removing drain pipes (soil, waste, water, ventilating and rain water pipes) of any size, with all fittings. 100 mm dia							
		Provisional Qty for rain water pipe	2	8.00			16.00		
							16.00		
		Add for contingencies				10%	1.60		
							17.60	18.00	Rmt
9	R2-CS-DD-64	Removing mosaic, cement marble, granites non-slippery, tandur, kotah, shahabad stone or Indian Pattern stone, glazed tiles in flooring and dado including bedding brick bat coba etc., and delivering materials in Ward Office and carting away unserviceable materials.							
		(A) FLOORING							
		Ground floor							
		Science lab	1	6.80	5.45		37.06		
		Class room-1,2,3	3	6.80	5.50		112.20		
		staff room	1	3.30	5.45		17.99		
		office	1	3.00	5.45		16.35		
		Drinking water 1	1	2.30	5.85		13.46		
		Raised platform	1	2.30		0.30	0.69		
		Drinking water 2	1	2.30	5.90		13.57		
		Raised platform	1	2.30		0.30	0.69		
		Room	1	2.50	5.45		13.63		
		Boys Toilet	1	4.00	5.45		21.80		
		L. Staff Toilet	1	2.55	0.90		2.30		
		G. Staff Toilet	1	2.55	0.90		2.30		
		Girls Toilet (flooring)	1	4.00	5.41		21.64		
		Entrance Lobby	1	4.90	3.00		14.70		
		Mater room	1	3.50	1.50		5.25		
			1	1.15	3.15		3.62		
		Pump room	1	2.14	2.54		5.44		
		East side Passage	1	26.55	1.90		50.45		
		South side Passage	1	12.80	1.80		23.04		
			1	0.70	3.15		2.21		
			1	5.54	1.90		10.53		
		West side Passage	1	21.40	1.80		38.52		
		Stage	1	6.00	3.50		21.00		
		Outside Passage Area							
			1	18.45	13.10		241.70		
			1	6.00	21.52		129.12		
			1	5.50	4.50		24.75		
			1	24.60	4.80		118.08		
			1	2.45	33.55		82.20		
			1	10.65	6.30		67.10		
			1	21.40	10.50		224.70		
			1	18.00	3.00		54.00		
		Deduct Ramp	-1	2.50	1.20		-3.00		
		Deduct pump room	-1	6.60	3.00		-19.80		
		deduct stage	-1	3.50	6.00		-21.00		
		First Floor							
		Class room 6	1	6.95	5.70		39.62		
		Class room 7	1	6.80	5.70		38.76		

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
		Kannad School Office	1	4.90	3.30		16.17		
		Drinking water	1	3.40	1.75		5.95		
		Class room 11,12	2	6.80	5.75		78.20		
		Liabrary	1	6.95	5.75		39.96		
		East side Passage	1	23.00	1.90		43.70		
		South side Passage	1	12.80	1.80		23.04		
			1	3.15	0.50		1.58		
			1	3.40	1.75		5.95		
		West side Passage	1	21.40	1.80		38.52		
							1677.68	A	
		B) Dado							
		Drinking water 1							
		Dado	1	2.30		1.80	4.14		
			2	5.85		1.80	21.06		
		Dado below wash basin	5	0.40		0.60	1.20		
			3	0.15		0.60	0.27		
		Deduct Door & window							
		Deduct Door	-1	1.05		1.80	-1.89		
		Deduct window	-1	1.60		0.60	-0.96		
		Drinking water 2							
		Dado	1	2.30		1.80	4.14		
			2	5.90		1.80	21.24		
		Dado below wash basin	5	0.40		0.60	1.20		
			3	0.15		0.60	0.27		
		Deduct Door & window							
		Deduct Door	-1	1.05		1.80	-1.89		
		Deduct window	-1	1.60		0.60	-0.96		
		L. Staff Toilet							
		Dado	2	2.55		2.50	12.75		
			3	0.90		2.50	6.75		
		Deduct door & window							
		Deduct Door	-1	0.75		2.10	-1.58		
		Deduct V	-1	0.60		0.75	-0.45		
		G. Staff Toilet							
		Dado	2	2.55		2.50	12.75		
			3	0.90		2.50	6.75		
		Deduct door & window							
		Deduct Door	-1	0.75		2.10	-1.58		
		Deduct V	-1	0.60		0.75	-0.45		
		Boys Toilet							
		Dado							
		Long wall	2	4.00		2.50	20.00		
		Short wall	2	5.45		2.50	27.25		
		partition wall	2	1.30		2.50	6.50		
			1	0.15		2.50	0.38		
		WC partition wall	6	1.15		2.50	17.25		
			6	0.90		2.50	13.50		
		Deduct door & window							
		Deduct Door	-1	1.05		2.10	-2.21		
			-3	0.75		2.10	-4.73		
		Deduct V	-5	0.60		0.75	-2.25		
		Deduct window	-1	1.20		0.90	-1.08		
		Girls Toilet							
		Dado							
		Long wall	2	4.00		2.50	20.00		
		Short wall	2	5.41		2.50	27.05		
		partition wall	2	1.30		2.50	6.50		
			1	0.15		2.50	0.38		
		WC partition wall	4	1.15		2.50	11.50		
			4	0.90		2.50	9.00		
			6	1.12		2.50	16.80		
			6	0.90		2.50	13.50		

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
		Deduct door & window							
		Deduct Door	-1	1.05		2.10	-2.21		
			-5	0.75		2.10	-7.88		
		Deduct V	-8	0.60		0.75	-3.60		
		First Floor							
		Drinking water	1	3.40		1.50	5.10		
			1	3.40		1.75	5.95		
							259.48	B	
		(C) SKIRTING							
		Ground floor							
		Science lab							
		Long wall	2	6.80		0.30	4.08		
		Short wall	2	5.45		0.30	3.27		
		Deduct Door (D1)	-1	1.20		0.30	-0.36		
		Classroom 1,2,3							
		Long wall = 3*2	6	6.80		0.30	12.24		
		Short wall = 3*2	6	5.50		0.30	9.90		
		Deduct Door (D1)	-3	1.20		0.30	-1.08		
		Room	2	2.50		0.30	1.50		
			2	5.54		0.30	3.32		
		Deduct Door (D2)	-1	1.05		0.30	-0.32		
		East side Passage	2	21.40		0.15	6.42		
			1	1.90		0.15	0.29		
		Deduct Door (D1)	-2	1.20		0.15	-0.36		
		Deduct Door (D2)	-2	1.05		0.15	-0.32		
		South side passage	2	4.90		0.15	1.47		
			1	1.90		0.15	0.29		
			1	1.50		0.15	0.23		
			1	5.54		0.15	0.83		
			1	11.00		0.15	1.65		
		West side wall	2	21.40		0.15	6.42		
			1	1.80		0.15	0.27		
		Deduct Door (D1)	-3	1.20		0.15	-0.54		
		First floor							
		Classroom 4							
		Long wall	2	6.95		0.30	4.17		
		Short wall	2	5.70		0.30	3.42		
		Deduct Door (D1)	-1	1.20		0.30	-0.36		
		Classroom 5							
		Long wall	2	6.80		0.30	4.08		
		Short wall	2	5.70		0.30	3.42		
		Deduct Door (D1)	-1	1.20		0.30	-0.36		
		Classroom 11,12							
		Long wall = 2*2	4	6.80		0.30	8.16		
		Short wall = 2*2	4	5.75		0.30	6.90		
		Deduct Door (D1)	-2	1.20		0.30	-0.72		
		Liabrary							
		Long wall	2	6.95		0.30	4.17		
		Short wall	2	5.75		0.30	3.45		
		Deduct Door (D1)	-1	1.20		0.30	-0.36		
		East side Passage	2	21.40		0.15	6.42		
			1	1.90		0.15	0.29		
		Deduct Door (D1)	-3	1.20		0.15	-0.54		
		South side passage	1	3.55		0.15	0.53		
			1	11.00		0.15	1.65		
		Deduct Door (D1)	-1	1.20		0.15	-0.18		
		West side wall	2	21.40		0.15	6.42		
			1	1.80		0.15	0.27		
							100.03	C	
		Total of A,B&C					2037.19		
		Add for contengencies 10%	1	2037.19		10%	203.72		
							2240.91		

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
								2241.00	Sqm
10	R2-CS-DD-65	Removing cement plaster of any finish from the wall, complete with racking out the joints to a depth of 20 mm.							
		Ground Floor (internal plaster)							
		Science lab							
		North side wall	1	5.45		0.80	4.36		
			1	0.20		1.00	0.20		
			1	0.30		1.00	0.30		
			1	0.30		5.45	1.64		
		East side wall	1	2.80		0.70	1.96		
			1	0.50		1.50	0.75		
			3	0.50		1.00	1.50		
			1	6.80		0.30	2.04		
		South side wall	1	2.22		0.70	1.55		
			1	1.50		1.00	1.50		
			1	1.00		0.50	0.50		
			1	5.45		0.30	1.64		
		West side wall	1	1.00		0.50	0.50		
			1	0.50		0.40	0.20		
			1	5.60		1.20	6.72		
			1	0.30		6.80	2.04		
		Computer room							
		North side wall	1	1.00		1.00	1.00		
			2	5.45		0.30	3.27		
			2	0.30		0.60	0.36		
		East side wall	1	6.80		0.20	1.36		
			4	0.50		1.20	2.40		
		South side wall	1	0.30		5.45	1.64		
			1	0.30		6.80	2.04		
		West side wall	1	6.80		0.30	2.04		
		staff room							
		North side wall	1	0.80		1.50	1.20		
			1	4.65		0.50	2.33		
			1	1.00		0.50	0.50		
			1	0.30		5.45	1.64		
		East side wall	1	2.00		1.20	2.40		
			1	1.00		1.50	1.50		
			1	0.60		0.80	0.48		
			1	5.45		0.30	1.64		
		South side wall	1	1.50		1.00	1.50		
			1	5.45		0.30	1.64		
		West side wall	1	3.30		0.30	0.99		
			1	1.20		0.80	0.96		
		Office							
		North side wall	1	5.45		0.30	1.64		
			1	0.50		0.50	0.25		
		West side wall	1	3.00		0.30	0.90		
		South side wall	1	5.45		0.30	1.64		
			2	4.00		0.30	2.40		
			1	1.20		0.30	0.36		
		East side wall	2	0.30		1.20	0.72		
			1	2.40		0.30	0.72		
		Drinking water 1							
		North side wall	1	5.85		0.30	1.76		
			1	3.00		0.50	1.50		
		East side wall	1	1.20		0.50	0.60		
			1	2.30		0.30	0.69		
			1	0.35		0.30	0.11		
		South side wall	1	5.85		0.30	1.76		

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
			1	0.40		2.10	0.84		
			1	1.20		0.50	0.60		
		Boys Toilet							
		North side wall	1	5.45		0.50	2.73		
		East side wall	1	4.00		0.50	2.00		
		South side wall	1	5.45		0.50	2.73		
		West side wall	1	4.00		0.50	2.00		
		Staff Toilet							
		South side wall	1	1.90		0.50	0.95		
		Passage -1							
		West side wall	1	21.40		0.30	6.42		
			1	21.40		1.20	25.68		
		Deduct D1	-2	1.20		2.10	-5.04		
		D2	-2	1.05		2.10	-4.41		
		W1	-4	1.60		0.90	-5.76		
		East side wall	1	21.40		3.15	67.41		
		Deduct Passage grill	-3	2.15		1.20	-7.74		
			-2	2.03		1.20	-4.87		
			-1	2.25		1.20	-2.70		
			-1	1.85		1.20	-2.22		
			-1	2.38		1.20	-2.86		
		Folding Gates at passage	-1	1.80		2.45	-4.41		
		North side wall	1	1.90		1.20	2.28		
			1	1.90		0.30	0.57		
		Passage -2							
		South side wall	2	0.80		1.00	1.60		
		West side wall	1	2.30		0.30	0.69		
		Girls Toilet							
		North side wall	1	5.41		0.50	2.71		
		East side wall	1	4.00		0.50	2.00		
		South side wall	1	5.41		0.50	2.71		
		West side wall	1	4.00		0.50	2.00		
		Drinking water 2							
		North side wall	1	4.41		0.50	2.21		
			1	1.40		0.30	0.42		
		South side wall	1	5.81		0.50	2.91		
		West side wall	1	2.30		1.35	3.11		
		Classroom 1							
		North side wall	1	5.50		0.30	1.65		
			1	1.20		0.30	0.36		
			1	1.00		0.30	0.30		
			1	4.30		1.20	5.16		
		West side wall	1	6.80		0.30	2.04		
			2	1.60		0.30	0.96		
			1	1.20		0.30	0.36		
			1	6.80		0.50	3.40		
		Deduct D1	-1	1.20		0.50	-0.60		
		South side wall	1	5.50		0.30	1.65		
			1	5.50		0.50	2.75		
		East side wall	1	6.80		0.30	2.04		
			1	2.20		2.20	4.84		
		Deduct W1	-3	1.60		0.90	-4.32		
		Classroom 2							
		North side wall	1	5.50		0.30	1.65		
			1	4.30		1.50	6.45		
		West side wall	1	6.80		0.30	2.04		
			1	5.60		1.20	6.72		
			1	0.50		0.50	0.25		
			1	0.50		0.50	0.25		
			1	1.40		0.50	0.70		
		South side wall	1	5.50		0.33	1.82		

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
			1	2.75		2.00	5.50		
			1	2.75		1.20	3.30		
		East side wall	1	6.80		0.30	2.04		
			1	6.80		2.10	14.28		
		Deduct W1	-3	1.60		0.90	-4.32		
		Classroom 3							
		North side wall	1	5.50		0.30	1.65		
		West side wall	1	6.80		0.30	2.04		
			1	6.80		0.30	2.04		
		South side wall	1	5.50		0.30	1.65		
			1	5.50		0.50	2.75		
			1	0.30		1.00	0.30		
			1	0.30		1.00	0.30		
		East side wall	1	6.80		2.03	13.80		
			1	6.80		0.30	2.04		
		Deduct W1	-3	1.60		0.90	-4.32		
		Passage 3							
		West side wall	1	21.40		3.15			
		Deduct Passage grill	-3	2.15		1.20	-7.74		
			-2	2.03		1.20	-4.87		
			-1	2.25		1.20	-2.70		
			-1	1.85		1.20	-2.22		
			-1	2.38		1.20	-2.86		
			-1	1.80		1.20	-2.16		
		Folding Gates at passage	-1	1.80		2.45	-4.41		
		East side wall	1	21.40		1.20	25.68		
		Deduct D1	-3	1.20		2.10	-7.56		
		Deduct W1	-6	1.60		0.90	-8.64		
		North side wall	1	1.80		1.20	2.16		
			1	1.80		0.30	0.54		
		First Floor							
		Drinking water							
		East side wall	1	1.50		1.00	1.50		
		South side wall	1	3.40		1.00	3.40		
		West side wall	1	1.00		0.50	0.50		
			1	0.50		0.50	0.25		
		Classroom 4							
		North side wall	1	5.70		0.30	1.71		
		East side wall	1	6.95		0.50	3.48		
			1	0.30		0.30	0.09		
		South side wall	1	1.50		1.50	2.25		
		West side wall	1	6.95		0.30	2.09		
		Class room 5							
		North side wall	1	1.50		0.30	0.45		
		East side wall	1	6.95		0.30	2.09		
		South side wall	1	5.70		0.30	1.71		
		West side wall	1	6.95		0.30	2.09		
		Kannad school office							
		North side wall	1	0.30		0.30	0.09		
		West side wall	1	1.00		1.00	1.00		
		Class room 6							
		North side wall	1	1.50		1.50	2.25		
		East side wall	1	3.20		0.80	2.56		
			1	5.60		1.20	6.72		
		South side wall	1	5.75		0.30	1.73		
		West side wall	1	6.80		0.30	2.04		
			1	0.30		0.30	0.09		
			1	0.30		0.50	0.15		

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
		Class room 7							
		North side wall	1	1.50		0.30	0.45		
		East side wall	1	0.30		0.30	0.09		
			1	6.80		0.30	2.04		
			1	0.50		0.30	0.15		
		West side wall	1	6.80		0.30	2.04		
		Library							
		North side wall	1	1.50		0.30	0.45		
		West side wall	1	6.95		0.30	2.09		
		South side wall	1	2.00		0.30	0.60		
		East side wall	1	6.95		0.30	2.09		
		Passage 1							
		West side wall	1	14.00		1.10	15.40		
		East side wall	1	21.40		1.10	23.54		
		North side wall	1	1.90		1.00	1.90		
		Passage 2							
		North side wall	1	11.00		1.10	12.10		
		South side wall	1	1.00		1.10	1.10		
			1	0.85		1.10	0.94		
		Passage 3							
		North side wall	1	1.80		1.10	1.98		
		East side wall	1	21.40		1.10	23.54		
		West side wall	1	21.40		1.10	23.54		
							388.79		A
		Ground floor room							
		Room							
		Long wall	2	2.50		3.15	15.75		
		short wall	2	5.54		3.15	34.90		
		Deduct Door	-1	1.00		2.10	-2.10		
		Deduct Window	-2	0.90		1.20	-2.16		
		Pump room							
		Long wall	2	2.14		3.00	12.84		
		short wall	2	2.54		3.00	15.24		
		Deduct Door	-1	1.05		2.10	-2.21		
		Deduct V1	-1	0.60		0.75	-0.45		
		Deduct V2	-1	0.75		0.60	-0.45		
		Staircase Area (Ground floor)							
		Long wall	2	4.87		3.15	30.68		
		short wall	1	3.15		3.15	9.92		
		Deduct Rcc jali	-1	2.55		0.90	-2.30		
			-1	2.55		1.28	-3.26		
		Staircase area (First floor)							
		Long wall area= (5.05*3+0.5*5.05*1.2)	1	18.18			18.18		
		(4.85*3+0.5*4.85*1.2)	1	17.46			17.46		
		short wall	2	3.30		3.00	19.80		
		Deduct Rcc Jali	-1	2.55		2.38	-6.07		
		Deduct folding gate	-1	1.50		2.45	-3.68		
		Deduct Safety grill	-1	1.65		2.27	-3.75		
			-1	1.50		1.02	-1.53		
							146.83		
		Consider 30%	1	146.83	0.25		36.71		B
						Total A+B	425.50		
		Take 40% for loose plaster	1	425.50	0.40		170.20		
							595.70	596.00	Sqm
		Ceiling plaster							
		computer room	1	0.60		0.60	0.36		
		Boys Toilet	1	1.00		1.00	1.00		
		Passage 1							

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
		Ceiling	1	2.15		0.50	1.08		
			1	2.15		0.50	1.08		
			1	2.15		0.50	1.08		
			1	2.03		0.50	1.02		
			1	1.80		0.50	0.90		
			1	2.03		0.50	1.02		
			1	2.25		0.50	1.13		
			1	1.85		0.50	0.93		
			1	2.38		0.50	1.19		
		Beam bottom	1	2.15		0.30	0.65		
			1	2.15		0.30	0.65		
			1	2.15		0.30	0.65		
			1	2.03		0.30	0.61		
			1	1.80		0.30	0.54		
			1	2.03		0.30	0.61		
			1	2.25		0.30	0.68		
			1	1.85		0.30	0.56		
			1	2.38		0.30	0.71		
		Beam side	2	2.15		0.45	1.94		
			2	2.15		0.45	1.94		
			2	2.15		0.45	1.94		
			2	2.03		0.45	1.83		
			2	1.80		0.45	1.62		
			2	2.03		0.45	1.83		
			2	2.25		0.45	2.03		
			2	1.85		0.45	1.67		
			2	2.38		0.45	2.14		
		Passage 2							
		Ceiling	1	1.80		1.50	2.70		
			1	1.50		1.50	2.25		
		Beam bottom	2	1.80		0.30	1.08		
			1	3.70		0.30	1.11		
		Beam side	2	3.70		0.45	3.33		
			2	1.80		0.45	1.62		
		Class room 1							
		ceiling	1	1.50		1.00	1.50		
			1	0.80		1.00	0.80		
		beam side	2	5.50		0.45	4.95		
		Beam bottom	1	0.50		0.30	0.15		
		Class room 2							
		ceiling	1	1.60		5.50	8.80		
			1	0.30		0.30	0.09		
		Classroom 3							
		ceiling	1	1.00		0.50	0.50		
			1	0.50		0.80	0.40		
		Passage 3							
		ceiling	1	1.80		1.50	2.70		
		Beam bottom	10	1.80		0.30	5.40		
		Beam side	20	1.80		0.45	16.20		
						Total	86.88		
		Take 40% for loose plaster	1	86.88	0.40		34.75		
							121.64	122.00	Sqm
		Removing External plaster							
		Ground Floor							
		Front side	1	27.25		3.30	89.93		
		Deduct V	-7	0.60		0.75	-3.15		
		Deduct Window	-2	1.20		0.75	-1.80		
			-2	0.90		1.20	-2.16		
		C.G.	-1	2.40		3.00	-7.20		
		Deduct Door	-1	1.05		2.10	-2.21		
		RCC Jali	-1	2.55		0.90	-2.30		

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
			-1	2.55		1.20	-3.06		
		East Side	1	28.55		3.30	94.22		
		Deduct Window	-9	1.60		0.90	-12.96		
		Deduct V	-4	0.60		0.75	-1.80		
		Open space east side wall	1	21.40		3.30	70.62		
		Deduct Passage grill	-3	2.15		1.20	-7.74		
			-2	2.03		1.20	-4.87		
			-1	2.25		1.20	-2.70		
			-1	1.85		1.20	-2.22		
			-1	2.38		1.20	-2.86		
		Folding Gates at passage	-1	1.80		2.45	-4.41		
		Open space south side wall	1	10.50		3.30	34.65		
		Passage grill	-3	2.41		1.70	-12.29		
		Collapsible gate	-1	2.30		2.75	-6.33		
		West Side	1	28.55		3.30	94.22		
		Deduct Window	-10	1.60		0.90	-14.40		
		Deduct V	-4	0.60		0.75	-1.80		
		Open space West side wall	1	21.40		3.30	70.62		
		Deduct Passage grill	-3	2.15		1.20	-7.74		
			-2	2.03		1.20	-4.87		
			-1	2.25		1.20	-2.70		
			-1	1.85		1.20	-2.22		
			-1	2.38		1.20	-2.86		
		Folding Gates at passage	-1	1.80		2.45	-4.41		
		North Side	1	8.40		3.30	27.72		
			1	8.35		3.30	27.56		
		Deduct Passage grill	-1	1.80		1.20	-2.16		
			-1	1.90		1.20	-2.28		
		Compound wall							
		East Side	2	40.50		1.50	121.50		
			2	6.75		2.65	35.78		
			1	31.71		1.65	52.32		
		West Side	2	39.45		1.65	130.19		
		North Side	2	33.75		1.65	111.38		
		Middle compound wall	2	41.65		1.65	137.45		
		Deduct gate	-2	2.00		1.65	-6.60		
		Deduct gate	-2	2.50		1.65	-8.25		
		Pump room							
		Long wall	2	2.60		3.00	15.60		
		short wall	2	3.00		3.00	18.00		
		Deduct door	-1	1.05		2.10	-2.21		
		Deduct V1	-1	0.60		0.75	-0.45		
		Deduct V2	-1	0.75		0.60	-0.45		
		First Floor							
		East side wall	1	28.55		3.00	85.65		
		Deduct Window	-8	2.40		0.90	-17.28		
		South side wall	1	27.25		3.00	81.75		
		Deduct Window	-2	1.60		0.90	-2.88		
			-2	0.90		1.20	-2.16		
		Deduct RCC Jali	-1	2.55		2.38	-6.07		
		West side wall	1	28.55		3.00	85.65		
		Deduct Window	-8	2.40		0.90	-17.28		
		North side wall area							
		A=(8.4*3+0.5*8.4*1.2)	1	30.24			30.24		
		A=(8.35*3+0.5*8.35*1.2)	1	30.06			30.06		
		Deduct passage grill	-1	1.80		1.12	-2.02		
			-1	1.90		1.12	-2.13		
		Open space east side wall	1	21.40		2.32	49.65		
		Deduct Passage grill	-1	20.91		1.12	-23.42		
			-1	1.90		1.12	-2.13		
		Open space south side wall	1	10.50		2.32	24.36		
		Passage grill	-1	9.76		1.12	-10.93		

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
		Open space West side wall	1	21.40		2.32	49.65		
		Deduct Passage grill	-1	20.91		1.12	-23.42		
			-1	1.90		1.12	-2.13		
							1313.45		
							C	1314.00	sqm
		Total of INTERNAL,EXTERNAL, CEILING PLASTER					2032.00		
		Add for contingencies				5%	101.60		
							2133.60	2134.00	Sqm
11	R2-CS-DD-71	Removing existing door or windows with frame and shutters and making good etc. to the existing surface.							
		Ground floor (Toilet door)							
		D3	10				10.00	A	
		Windows (GF & FF)							
		W3	4				4.00		
		W4	1				1.00		
		W5	4				4.00		
		V	15				15.00		
							24.00	B	
							Total A+B	34.00	Nos.
								34.00	Nos.
12	R2-CS-DD-82	Removing existing R.C.C. jallies of any design & deposit to ward store complete.							
		Ventilators							
		Pump room	1	0.60		0.75	0.45		
			1	0.75		0.60	0.45		
		Staircase	1	2.55		0.90	2.30		
			1	2.55		3.58	9.13		
							12.32		
		Add for contingencies				5%	0.46		
							12.78		
		Consider 40%	1	12.78		0.40	5.11	6.00	Sqm
13	R2-CS-DD-54	Cutting down masonry work in lime or cement mortar including plaster etc. complete.							
		West side Compound wall	1	40.50	0.30	1.50	18.23		
			1	13.10	0.30	2.65	10.41		
							28.64		
		consider 40%	1	28.64	0.40		11.46	A	
		Folding gate (to raise heigth)	3	1.80	0.30	0.30	0.49	B	
							Total A+B	11.94	12.00 cumt
14	R2-CS-RM-37	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.							
		Ground Floor (internal painting)							
		Science lab							
		Long wall	2	6.80		3.15	42.84		
		short wall	2	5.45		3.15	34.34		
		Deduct Door	-1	1.20		2.10	-2.52		
		Deduct Window	-5	1.60		0.90	-7.20		
		Computer room							
		Long wall	2	6.80		3.15	42.84		
		short wall	2	5.45		3.15	34.34		
		Deduct Door	-1	1.20		2.10	-2.52		
		Deduct Window	-5	1.60		0.90	-7.20		
		Deduct dado							
		Long wall	-2	6.80		1.20	-16.32		

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
		short wall	-2	5.45		1.20	-13.08		
		staff room							
		Long wall	2	3.30		3.15	20.79		
		short wall	2	5.45		3.15	34.34		
		Deduct Door	-1	1.05		2.10	-2.21		
		Deduct Window	-1	1.60		0.90	-1.44		
		office							
		Long wall	2	3.30		3.15	20.79		
		short wall	2	5.45		3.15	34.34		
		Deduct Door	-1	1.05		2.10	-2.21		
		Deduct Window	-1	1.60		0.90	-1.44		
		Drinking 1							
		Long wall	1	2.30		3.15	7.25		
		short wall	2	5.85		3.15	36.86		
		Deduct Window	-1	1.60		0.75	-1.20		
		Deduct Door	-1	1.05		2.10	-2.21		
		Deduct Dado	-1	2.30		1.80	-4.14		
			-2	5.85		1.80	-21.06		
		Entrance Lobby							
		Long wall	2	4.90		3.15	30.87		
		short wall	1	3.00		3.15	9.45		
		Deduct C.G.	-1	2.40		3.00	-7.20		
		Staircase Area							
		Long wall	2	4.87		3.15	30.68		
		short wall	1	3.15		3.15	9.92		
		Deduct Rcc jali	-1	2.55		0.90	-2.30		
			-1	2.55		1.28	-3.26		
		Room							
		Long wall	2	2.50		3.15	15.75		
		short wall	2	5.54		3.15	34.90		
		Deduct Door	-1	1.00		2.10	-2.10		
		Deduct Window	-2	0.90		1.20	-2.16		
		Drinking 2							
		Long wall	1	2.30		3.15	7.25		
		short wall	2	5.90		3.15	37.17		
		Deduct Window	-1	1.60		0.75	-1.20		
		Deduct Door	-1	1.05		2.10	-2.21		
		Deduct dado	-1	2.30		1.80	-4.14		
			-2	5.90		1.80	-21.24		
		Class room 1							
		Long wall	2	6.80		3.15	42.84		
		short wall	2	5.50		3.15	34.65		
		Deduct Door	-1	1.20		2.10	-2.52		
		Deduct Window	-5	1.60		0.90	-7.20		
		Class room 2							
		Long wall	2	6.80		3.15	42.84		
		short wall	2	5.50		3.15	34.65		
		Deduct Door	-1	1.20		2.10	-2.52		
		Deduct Window	-5	1.60		0.90	-7.20		
		Class room 3							
		Long wall	2	6.80		3.15	42.84		
		short wall	2	5.50		3.15	34.65		
		Deduct Door	-1	1.20		2.10	-2.52		
		Deduct Window	-5	1.60		0.90	-7.20		
		Boys toilet							
		Long wall	2	4.00		3.15	25.20		
		short wall	2	5.45		3.15	34.34		
		deduct dado	-2	4.00		2.50	-20.00		
			-2	5.45		2.50	-27.25		
		Deduct Door	-1	1.05		2.10	-2.21		
		G. staff Toilet							
		Long wall	1	1.20		3.15	3.78		

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
		short wall	2	0.90		3.15	5.67		
		deduct dado	-1	1.20		2.50	-3.00		
			-2	0.90		2.50	-4.50		
		Girls toilet							
		Long wall	2	4.00		3.15	25.20		
		short wall	2	5.41		3.15	34.08		
		deduct dado	-2	4.00		2.50	-20.00		
			-2	5.45		2.50	-27.25		
		Passage (East side)							
		Long wall	1	26.55		3.15	83.63		
			1	21.40		3.15	67.41		
			1	2.95		3.15	9.29		
			1	3.55		3.15	11.18		
		Deduct Door	-2	1.20		2.10	-5.04		
			-2	1.05		2.10	-4.41		
		Deduct Window	-4	1.60		0.90	-5.76		
		Collapsible Gate of Drinking Water	-1	2.30		2.75	-6.33		
		Deduct Passage grill	-3	2.15		1.20	-7.74		
			-2	2.03		1.20	-4.87		
			-1	2.25		1.20	-2.70		
			-1	1.85		1.20	-2.22		
			-1	2.38		1.20	-2.86		
		Folding Gates at passage	-1	1.80		2.45	-4.41		
		short wall	2	1.90		3.15	11.97		
		Deduct dado	-1	1.90		2.50	-4.75		
		Deduct Passage grill	-1	1.90		1.20	-2.28		
		Passage (South side)							
		long wall (room side wall)	1	1.90		3.15	5.99		
		long wall (Drinking water no.2 side wall)	1	3.80		3.15	11.97		
		short wall	1	11.00		3.15	34.65		
		short wall (room side wall)	1	5.54		3.15	17.45		
		Folding Gates	-1	1.80		2.75	-4.95		
		Passage grill	-3	2.41		1.70	-12.29		
		Collapsible gate	-1	2.30		2.75	-6.33		
		Passage (West side)							
		Long wall	2	21.40		3.15	134.82		
		short wall	1	1.80		3.15	5.67		
		Deduct Door	-3	1.20		2.10	-7.56		
		Deduct Windows	-6	1.60		0.90	-8.64		
		Deduct Passage grill	-3	2.15		1.20	-7.74		
			-2	2.03		1.20	-4.87		
			-1	2.25		1.20	-2.70		
			-1	1.85		1.20	-2.22		
			-1	2.38		1.20	-2.86		
			-1	1.80		1.20	-2.16		
		Folding Gates at passage	-1	1.80		2.45	-4.41		
		Pump room							
		Long wall	2	2.14		3.00	12.84		
		short wall	2	2.54		3.00	15.24		
		Deduct Door	-1	1.05		2.10	-2.21		
		Deduct V1	-1	0.60		0.75	-0.45		
		Deduct V2	-1	0.75		0.60	-0.45		
		First Floor (internal plaster)							
		Class room 4							
		Long wall	2	6.95		3.00	41.70		
		short wall Area (5.7*3+0.5*5.7*1.2)	2	20.52			41.04		
		Deduct Door	1	1.20		2.10	2.52		
		Deduct Window	-3	2.40		0.90	-6.48		
			-1	1.20		0.90	-1.08		

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
		Class room 5							
		Long wall	2	6.80		3.00	40.80		
		short wall Area (5.7*3+0.5*5.7*1.2)	2	20.52			41.04		
		Deduct Door	1	1.20		2.10	2.52		
		Deduct Window	-3	2.40		0.90	-6.48		
			-1	1.20		0.90	-1.08		
		Kannad school							
		Long wall area (3.3*3+0.5*3.3*1.2)	2	17.64			35.28		
		short wall	2	3.30		3.00	19.80		
		Deduct Door	-1	1.20		2.10	-2.52		
		Deduct Window	-1	0.90		1.20	-1.08		
		Staircase area							
		Long wall area= (5.05*3+0.5*5.05*1.2)	1	18.18			18.18		
		(4.85*3+0.5*4.85*1.2)	1	17.46			17.46		
		short wall	2	3.30		3.00	19.80		
		Deduct Rcc Jali	-1	2.55		2.38	-6.07		
		Deduct folding gate	-1	1.50		2.45	-3.68		
		Deduct Safety grill	-1	1.65		2.27	-3.75		
			-1	1.50		1.02	-1.53		
		Water Tank area							
		Long wall area= (5.05*3+0.5*5.05*1.2)	2	17.46			34.92		
		short wall	2	3.40		3.00	20.40		
		Deduct Window	-1	0.90		1.20	-1.08		
		Deduct folding gate	-1	1.80		2.45	-4.41		
		Deduct Safety grill =(3.40*3.27- 1.8*2.45)	-1	6.71			-6.71		
		Class room 6							
		Long wall	2	6.75		3.00	40.50		
		short wall Area (5.75*3+0.5*5.75*1.2)	2	20.70			41.40		
		Deduct Door	1	1.20		2.10	2.52		
		Deduct Window	-3	2.40		0.90	-6.48		
			-1	1.20		0.90	-1.08		
		Class room 7							
		Long wall	2	6.80		3.00	40.80		
		short wall Area (5.75*3+0.5*5.75*1.2)	2	20.70			41.40		
		Deduct Door	1	1.20		2.10	2.52		
		Deduct Window	-3	2.40		0.90	-6.48		
			-1	1.20		0.90	-1.08		
		Class room 8							
		Long wall	2	6.80		3.00	40.80		
		short wall Area (5.75*3+0.5*5.75*1.2)	2	20.70			41.40		
		Deduct Door	1	1.20		2.10	2.52		
		Deduct Window	-3	2.40		0.90	-6.48		
			-1	1.20		0.90	-1.08		
		Liabrary							
		Long wall	2	6.95		3.00	41.70		
		short wall Area (5.75*3+0.5*5.75*1.2)	2	20.70			41.40		
		Deduct Door	-1	1.20		2.10	-2.52		
		Deduct Window	-2	2.40		0.90	-4.32		
			-3	1.20		0.90	-3.24		
		Passage (East side)							
		Long wall	1	23.00		3.00	69.00		
			1	21.40		2.32	49.65		
		Short wall	1	1.90		3.00	5.70		

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
16	R2-CS-MW-19	Random rubble masonry with hard stone in superstructure above plinth level , including leveling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20mm nominal size) at window sills, ceiling level and the like. Cement mortar 1:6 (1 cement : 6 coarse sand)							
		compound wall west side	1	85.71	0.30	1.00	25.71		
		Deduct gate	-1	4.50	0.30	1.00	-1.35		
							24.36		
		Add for contingencies 10%	1	24.36		0.10	2.44		
							26.80		
								27.00	Cum
(C) EXCAVATION & SOLING									
17	R2-CS-EW-3	Excavation for foundation, substructures, basements, tanks, sumps, walls, chambers, manholes, trenches, poles, pits & general building works in soft/ disintegrated rock, sand stone, stiff clay, gravel, cobblestone, hard laterite, water bound macadam, wet mix macadam, asphalt mix carpet of any type, pitching, soling, paths and hardcore, lime concrete, plain cement concrete, stone masonry and all types of brick/ block masonry below ground level, rock boulders, etc. for depths/ lifts upto 1.5M measured from the ground level, including dressing/ trimming the sides, leveling of bottoms, manual dewatering, removing rank vegetation, backfilling in layers not more than 200mm thickness, watering, consolidating, compacting to achieve not less than 97% Modified Proctor density conforming to relevant IS, stacking in measurable heaps for future use within owners space or disposing within an initial lead of 150m as directed, loading, unloading, leveling excluding shoring, strutting etc. complete as directed by Engineer-in-Charge. Note: 1) The rate includes the handling/supporting the existing utilities such as cables, drains, pipes, water mains etc. 2) It also includes the royalty and other taxes if any.							
		Qty same as per (R2-CS-CW-1-b sr.no.)	1	111.46			111.46		
		SWD Line	1	120.00	0.45	1.00	54.00		
		RWH Recharge pit	1	2.20	1.70	1.80	6.73		
		Chamber	10	1.20	1.00	1.00	12.00		
		footing	2	1.50	1.50	2.00	9.00		
		Column	2	0.50	0.50	0.60	0.30		
		Excavation for gates	3	1.80	0.30	0.30	0.49		
							193.98		
		Add for contingencies	1	193.98		5%	9.70		
							203.68	205.00	Cum
18	R2-CS-EW-11	Filling in plinth, floors, trenches, pits with approved excavated materials, murum / good earth in layers not exceeding 200mm including breaking of clods, watering, consolidating each layer in filled up area by rolling and compacting with roller/ plate compactor as required to achieve not less than 97% modified proctor density conforming to relevant IS etc. complete as directed by Engineer In charge. Note: 1) The rate includes the royalty and other taxes if any.							
		Provisional	1				1.00	1.00	Cum
19	R2-CS-EW-26	Providing & Laying dry stone Rubble Soling with average 230 mm size hard stone set in regular lines, handpacked and interstices thoroughly filled with small chips including filling in with good quality murum brought from outside, compacting with iron rammers, watering, sand spreading 12mm thk. layer of grit on top etc complete as directed by Engineer In Charge. (Note: The rate includes the royalty and other taxes if any)							
		gate	3	1.50	1.50	0.23	1.55		
		Column	2	0.50	0.50	0.23	0.12		
		RWH Recharge pit	1	2.20	1.70	0.23	0.86		
		Provisional	1				1.00		
		SWD Line	1	120.00	0.65	0.23	17.94		
		Soling for gates	3	1.80	0.30	0.23	0.37		
							21.84	22.00	Cum
(D) STRUCTURAL REPAIR									
20	R2-CS-CW-54	Chipping /removing loose concrete upto reinforcement bars, without damaging the reinforcement, removing all the loose materials and to make all the exposed surfaces free from oil, dust and all impurities etc complete							

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
		Passage 2	1	3.70		1.65	6.11		
			1	1.50		1.50	2.25		
		Class room 1	1	1.00		0.80	0.80		
		Passsaage 3	1	2.77		1.80	4.99		
			3	0.50		0.50	0.75		
			1	1.00		1.00	1.00		
			1	1.00		2.50	2.50		
						Total	18.39		
							Say	20.00	Sqm
21	R2-CS-CW-56	Providing and applying Ready mix Polymer modified cement mortar of average thickness 15mm using Polymer in one or more layers in proportion 1:5:15 of Polymer Cement Quartz Sand as manufacturer's specifications in specific layers, curing the surface after 72 hours of application with wet gunny bags etc and by finishing the surface with 12mm thick (1:3) Cement sand plaster.							
		As per item no. R2-CS-CW-54-A					20.00		
								20.00	Sqm
22	R2-CS-CW-57	Providing and applying Ready Mix Polymer modified cement mortar of average thickness 30mm using Polymer in two layers in proportion 1:5:15 of Polymer Cement Quartz Sand as manufacturer's specifications in specific layers, curing the surface after 72 hours of application with wet gunny bags etc and by finishing the surface with 12mm thick (1:3) Cement							
		Provisional qty					10.00		
								10.00	Sqm
23	R2-CS-CW-55	Removing corrosion of steel Reinforcement by mechanical means like wire brushing, chipping to remove loose rust and then applying rust removal solution by using brush application, leaving the surface for at least 15 to 30 minutes, then removing loose materials by scrubbing or with brush and applying polymer bond to the old concrete surface before applying Polymer mortar.							
		As per item no. R2-CS-CW-54					20.00		
								20.00	Sqm
(E) RCC WORK									
24	R2-CS-CW-1-b	Providing and laying in position plain cement concrete of specified grade with trap/ granite/ quartzite/ gneiss metal mixing in concrete mixer including bailing out water, compacting, finishing surface, curing and including the cost of centering and shuttering at all level: Nominal Mix of 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)							
		Outside Passage Area							
			1	18.45	13.10	0.10	24.17		
			1	6.00	21.52	0.10	12.91		
			1	5.50	4.50	0.10	2.48		
			1	24.60	4.80	0.10	11.81		
			1	2.45	33.55	0.10	8.22		
			1	10.65	6.30	0.10	6.71		
			1	21.40	10.50	0.10	22.47		
			1	18.00	3.00	0.10	5.40		
		Deduct Ramp	-1	2.50	1.20	0.10	-0.30		
		Deduct pump room	-1	6.60	3.00	0.10	-1.98		
		deduct stage	-1	3.50	6.00	0.10	-2.10		
		P.G. area paver	1	24.83	2.00	0.10	4.97		
			1	22.85	2.00	0.10	4.57		
			1	29.57	2.00	0.10	5.91		
			1	31.13	2.00	0.10	6.23		
							111.46		
		Folding gate passage side	3	1.80	0.30	0.10	0.16		
		Compond wall coping	1	139.31	0.30	0.10	4.18		
		PCC for gates	3	1.80	0.30	0.10	0.16		
							115.96		
		Contingencies 5%	1	115.96		0.05	5.80		
							117.26	118.00	Cum

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
25	R2-CS-CW-35-b	Supply, cut, bend and fix in position High Yield strength Deformed bars for all diameters conforming to IS 1786, including tying with binding wire(16 SWG Annealed wire) or welding, tested steel reinforcement for all reinforced concrete of all locations and levels including transporting, handling etc complete. no separate payment for chairs, laps, wastage and binding wire will be made.							
		provisional for structural work						1.50	MT
26	R2-CS-CW-5-b	Providing, hoisting and fixing at all level precast reinforced cement concrete in small lintels not exceeding 1.5m clear span up to all level including the cost of required centering, shuttering and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size).							
		At door lintels	11	1.50	0.23	0.15	0.57		
		W	14	2.70	0.23	0.15	1.30		
			27	1.90	0.23	0.15	1.77		
			7	1.50	0.23	0.15	0.36		
			4	1.20	0.23	0.15	0.17		
							4.17	5.00	Cum
27	R2-CS-CW-7-a	Providing and laying in position ready mixed design mix M-20 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying and the cost of centering, shuttering, finishing and excluding 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. The Mix design as per particular specifications shall be got approved by Engineer-in-Charge before execution of the item. The rate shall include cost of all specified materials and operations at all levels and heights, including the cost of centering, shuttering and and excluding reinforcement which shall be paid under relevant item. (Note :- Cement content considered in this item is @ 300 kg/cum as per IS 456 table showing minimum cement content. No extra will be paid nor any amount will be recovered on account of variation of cement in mix design as per specifications for All works (including Centering & Shuttering) Foundations, footings, bases of columns, rafts, pilecap							
		Gate footing	2	1.35	1.35	0.50	1.82		
							say	2.00	Cum
28	R2-CS-CW-7-d	Providing and laying in position ready mixed design mix M-20 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying and the cost of centering, shuttering, finishing and excluding 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. The Mix design as per particular specifications shall be got approved by Engineer-in-Charge before execution of the item. The rate shall include cost of all specified materials and operations at all levels and heights, including the cost of centering, shuttering and and excluding reinforcement which shall be paid under relevant item. (Note :- Cement content considered in this item is @ 300 kg/cum as per IS 456 table showing minimum cement content. No extra will be paid nor any amount will be recovered on account of variation of cement in mix design as per specifications for All works (including Centering & Shuttering) Lintels, beams, plinth beams, girders, floor beam, coping.							
		beam	1	4.50	0.23	0.90	0.93		
			1	4.50	0.23	0.60	0.62		Cum
							1.55	2.00	
29	R2-CS-CW-7-e	Providing and laying in position ready mixed design mix M-20 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying and the cost of centering, shuttering, finishing and excluding 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. The Mix design as per particular specifications shall be got approved by Engineer-in-Charge before execution of the item. The rate shall include cost of all specified materials and operations at all levels and heights, including the cost of centering, shuttering and and excluding reinforcement which shall be paid under relevant item. (Note :- Cement content considered in this item is @ 300 kg/cum as per IS 456 table showing minimum cement content. No extra will be paid nor any amount will be recovered on account of variation of cement in mix design as per specifications for All works (including Centering & Shuttering) Columns, Pillars, Piers, Posts and Struts.							
		column	2	0.45	0.45	7.00	2.84		
							say	3.00	Cum

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
30	R2-CS-CW-18	Extra and over for providing richer RMC of M-35 grade cement concrete instead of M20 (Note :- Cement content considered in this item is @ 350 kg/cum as per IS 456 table showing minimum cement content.)							
		total of footing, beam & Column					7.00		
								7.00	Cum
31	R2-CS-CW-6-b	Providing precast cement concrete Jali of Nominal Mix 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6mm nominal size) reinforced with 1.6 mm dia mild steel wire including centering and shuttering, roughening cleaning, fixing and finishing in cement mortar 1:3 (1 cement: 3 fine sand) etc. complete excluding plastering of the jambs, sills and soffits. 50 MM Thk							
		Same as per Item no. R2-CS-DD-82					6.00	6.00	Sqm
(F) PLASTERING									
32	R2-CS-PL-09-c	Providing and applying 20 mm thick internal plaster with neeru finish (wall)							
		As per item no. CS-DD-65- A						596.00	Sqm
		Boys toilet							
		Partition wall	1	0.85	0.15	2.50	0.32		
		deduct D3	-1	0.75	0.15	2.10	-0.24		
		Girls toilet							
		Partition wall	1	1.05	0.15	2.50	0.39		
			1	1.30	0.15	2.50	0.49		
			1	0.90	0.15	2.50	0.34		
		deduct D3	-2	0.75	0.15	2.10	-0.47		
							0.83	0.83	
								596.83	
							SAY	597.00	Sqm
33	R2-CS-PL-05	Providing and applying 12 mm thick internal plaster in cement mortar 1:3 with neeru finish at all heights and locations in one coat for masonry (except stone masonry) and concrete surfaces including racking out joints, hacking of concrete surface, watering, finishing, curing, scaffolding etc. complete.							
		As per item no. CS-DD-65- A						122.00	Sqm
34	R2-CS-PL-17-c	Providing and applying 25 mm thick external sand faced cement plaster with neat cement rendering upto 10m from ground level and at all locations in cement mortar proportion specified below in two coats for masonry (except stone masonry) and concrete surfaces including providing water proofing compound to the first coat of plaster as per manufacturers specification, racking out joints, hacking of concrete surface, finishing, curing, scaffolding etc complete as directed By Engineer In Charge. Min. time lag between two coats shall be 24 hours.(as per IS 2402 of 1963.)In Cement mortar 1:3							
		As per item no. CS-DD-65- B						1314.00	Sqm
		West side Compound wall	2	13.10		2.65	69.43	69.43	
			2	37.20		1.00	74.40	74.40	
								1457.83	
							SAY	1458.00	Sqm
35	R2-CS-PL-35	Extra for providing and mixing polypropylene fibers in mortar of internal and external plaster. The dose of 6mm long fibers shall be 125gms per 50 kg of cement bag or as per the manufactures specifications etc complete as directed by Engineer In Charge							
		Qty as per item Nos.R2-CS-PL-17-c external	1	1436.00			1436.00		
		0.16x0.125Kg/sqm		1436.00	0.16	0.125	28.72		
								50.00	Kg
36	R2-CS-CH-5	Ruled /Flush pointing on White/Red sand stone masonry surface with lime, surkhi and marble dust mortar in the ratio of 1:1.5:1/2 {One lime: 1.5 surkhi (50% red and 50% light yellow surkhi):1/2 marble dust}. (The rate is inclusive of all materials & labours involved except scaffolding).							
		pointing	1	85.71		2.50	214.28		

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit	
		Contingencies 10%	1	214.28		0.10	21.43			
							235.70			
		Cosider 70%	1	235.70		0.70	164.99			
								165.00	Sqm	
(G) PAVER WORK										
37	R2-CS-FL-38-d	Providing and fixing polished natural stone slab as specified below of approved quality, pattern and colour for treads including preparing the surface and levelling in the desired line, in cement mortar 1:4, cement float, machine cutting, leveling, jointing, smooth cement plastering along the sides to match the existing surface in cement mortar 1:3, filling the joints with neat cement or pigment mixed with cement, polishing, finishing, curing etc complete as directed by Engineer In Charge. Kota stone for width upto 300 mm								
		Ramp 1	8	1.20			9.60			
		Provisional qty for staircase	20	1.50			30.00			
		Tread & riser for gates step								
		Tread (2*3=6)	6	1.80			10.80			
		Riser (2*3=6)	6	1.80			10.80			
		Stage								
		Tread	2	1.80			3.60			
		Riser	2	1.80			3.60			
							68.40			
		Add for contengencies-5%	1	68.40		5%	3.42			
							71.82	72.00	Rmt	
38	R2-CS-FL-01-c	Providing and laying polished natural stone as specified below (Machine cut) of an approved quality and size for paving /flooring in plain and/or diamond /approved pattern including cement mortar bedding of 25 mm thick in 1:4 proportion, cement float, machine cutting, dressing, leveling, jointing, filling the joints with neat cement slurry or with required pigmentmachine polishing at site, curing, finishing, etc complete as directed by Engineer In Charge. 25 to 30 mm thk. Kota stone of size 0.430m x0.56m (17"x22")								
		Ground floor								
		Class room 1,2,3	3	6.80	5.50		112.20			
		room	1	2.50	5.45		13.63			
		Mater room	1	3.50	1.50		5.25			
			1	1.15	3.15		3.62			
		Pump room	1	2.14	2.54		5.44			
		East side Passage	1	25.20	1.90		47.88			
		South side Passage	1	12.80	1.80		23.04			
			1	0.70	3.15		2.21			
			1	5.54	1.90		10.53			
		West side Passage	1	21.40	1.80		38.52			
		Stage	1	6.00	3.50		21.00			
		Sides of stage	1	6.00		0.40	2.40			
			2	3.50		0.40	2.80			
		First Floor								
		Class room 4	1	6.95	5.70		39.62			
		Class room 5	1	6.80	5.70		38.76			
		Class room 6,7	2	6.80	5.75		78.20			
		Midlanding	1	1.35	3.15		4.25			
		East side Passage	1	23.00	1.90		43.70			
		South side Passage	1	12.80	1.80		23.04			
			1	3.15	0.50		1.58			
			1	3.40	1.75		5.95			
		West side Passage	1	21.40	1.80		38.52			
							562.12			
		Add for contengencies-5%	1	562.12		5%	28.11			
							590.22	591.00	Sq.mt	

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
39	R2-CS-FL-21-d	Providing and fixing polished natural stone tiles /slab 15 to 20mm thk. Kota stone for height upto 150 mm of approved quality, pattern and colour for flush/ projected skirting and risers including preparing the surface and levelling in the desired line, backing of 20 thk. cement mortar in porportion 1:3, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, leveling, jointing, filling the joints with neat cement or pigment mixed with cement, polishing, finishing, curing etc complete as directed by Engineer In Charge							
		Skirting							
		G.F							
		Room							
		Long wall	2	2.50			5.00		
		Short wall	2	5.45			10.90		
		Desuct door	-1	1.05			-1.05		
		class rooms -1,2,3							
		Long wall	6	6.80			40.80		
		Short wall	6	5.50			33.00		
		Desuct door	-3	1.20			-3.60		
		Pump Room							
		Long wall	2	2.14			4.28		
		Short wall	2	2.54			5.08		
		Desuct door	-1	1.05			-1.05		
		First Floor							
		Class room 4							
		Long wall	2	6.95			13.90		
		Short wall	2	5.70			11.40		
		Desuct door	-1	1.20			-1.20		
		Class room 5							
		Long wall	2	6.80			13.60		
		Short wall	2	5.70			11.40		
		Desuct door	-1	1.20			-1.20		
		Class room 6,7							
		Long wall	4	6.80			27.20		
		Short wall	4	5.75			23.00		
		Desuct door	-2	1.20			-2.40		
							189.06		
		Consider 10%				0.10	18.91		
		Add for contengencies				5%	0.95		
							19.85	20.00	Rmt
40	R2-CS-FL-07-d	Providing and laying 8mm thk. ceramic tiles Dark coloured antiskid / matt ceramic tiles conforming to I.S.15622-2006 for flooring of an approved, quality, make, size and pattern /design, for flooring including cement mortar bedding of 25 mm thick in 1:4 proportion, neat cement float, cutting, leveling, jointing, filling the joints by neat cement slurry or approved colour grout, curing, finishing etc complete as directed by Engineer In Charge.							
		Drinking water 1	1	2.30	5.85		13.46		
		Boys Toilet	1	4.00	5.45		21.80		
		partition wall	-1	1.30	0.15		-0.20		
		WC partition wall	-3	1.15	0.15		-0.52		
			-3	0.30	0.15		-0.14		
		G. Staff Toilet	1	2.55	0.90		2.30		
			-1	0.15	0.15		-0.02		
		L. Staff Toilet	1	2.55	0.90		2.30		
			-1	0.15	0.15		-0.02		
		Girls Toilet	1	4.00	5.41		21.64		
		partition wall	-1	1.30	0.15		-0.20		
		WC partition wall	-3	1.15	0.15		-0.52		
			-3	1.12	0.15		-0.50		
			-6	0.30	0.15		-0.27		
		Drinking water 2	1	2.30	5.90		13.57		
		First Floor							
		Water Tank	1	1.75	3.40		5.95		
							78.63		

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit	
		Add for contingencies	1	78.63		10%	7.86			
							86.49	87.00	Sqm	
41	R2-CS-FL-32-b	Providing and fixing Dark coloured glazed ceramic tiles 8mm thk. ceramic tiles as specified below conforming to I.S. 15622-2006 of approved quality, pattern and colour for dado in the wet area including preparing the surface and levelling in the desired line, backing of 20 thk. cement mortar in porportion 1:3 with approved waterproofing compound, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, leveling, jointing, filling the joints with neat cement slurry or approved colour grout, finishing, curing etc complete as directed by Engineer In Charge.								
		Drinking water 1								
		Dado	1	2.30		1.80	4.14			
			2	5.85		1.80	21.06			
		Dado below wash basin	5	0.40		0.60	1.20			
			3	0.15		0.60	0.27			
		Deduct Door & window								
		Deduct Door	-1	1.05		2.10	-2.21			
		deduct window	-1	1.60		0.60	-0.96			
		Drinking water 2								
		Dado	1	2.30		1.80	4.14			
			2	5.90		1.80	21.24			
		Dado below wash basin	5	0.40		0.60	1.20			
			3	0.15		0.60	0.27			
		Deduct Door & window								
		Deduct Door	-1	1.05		2.10	-2.21			
		deduct window	-1	1.60		0.60	-0.96			
		Boys Toilet								
		Long wall	2	4.00		2.50	20.00			
		Short wall	2	5.45		2.50	27.25			
		partition wall	2	1.30		2.50	6.50			
			1	0.15		2.50	0.38			
		WC partition wall	6	1.15		2.50	17.25			
			6	0.90		2.50	13.50			
			1	0.85		2.50	2.13			
		Deduct door & window								
		Deduct Door	-1	1.05		2.10	-2.21			
			-4	0.75		2.10	-6.30			
		Deduct V	-5	0.60		0.75	-2.25			
		deduct window	-1	1.20		0.90	-1.08			
		L. Staff Toilet								
		Dado	2	2.55		2.50	12.75			
			4	0.90		2.50	9.00			
		Deduct door & window								
		Deduct Door	-2	0.75		2.10	-3.15			
		Deduct V	-1	0.60		0.75	-0.45			
		G. Staff Toilet								
		Dado	2	2.55		2.50	12.75			
			4	0.90		2.50	9.00			
		Deduct door & window								
		Deduct Door	-2	0.75		2.10	-3.15			
		Deduct V	-1	0.60		0.75	-0.45			
		Girls Toilet								
		Long wall	2	4.00		2.50	20.00			
		Short wall	2	5.41		2.50	27.05			
		partition wall	2	1.30		2.50	6.50			
			1	0.15		2.50	0.38			
		WC partition wall	6	1.15		2.50	17.25			
			14	0.90		2.50	31.50			
			6	1.12		2.50	16.80			
		Deduct door & window								
		Deduct Door	-1	1.05		2.10	-2.21			
			-7	0.75		2.10	-11.03			

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
		Deduct V	-7	0.60		0.75	-3.15		
		First Floor							
		Drinking water	1	3.04		1.50	4.56		
		First Floor							
		Drinking water	2	1.75		2.10	7.35		
			2	0.60		2.10	2.52		
			1	3.40		1.50	5.10		
							281.28		
		Contingencies 10%	1	281.28		0.10	28.13		
							309.41	310.00	sqm
42	R2-CS-FL-8-d	Providing and laying 600 x 600 x 8 mm thk. vitrified tiles as specified below conforming to I.S.15622-2006 with water absorption less than 0.08% for flooring of an approved, quality, make and pattern /design for flooring including cement mortar bedding of 25 mm thick in 1:4 proportion, cutting, leveling, jointing, filling the joints by neat cement slurry or approved colour grout, curing, finishing etc complete as directed by Engineer In Charge.Dark coloured antiskid / matt vitrified tiles							
		Ground Floor							
		Science lab	1	6.95	5.45		37.88		
		office	1	3.00	5.45		16.35		
		staff room	1	3.30	5.45		17.99		
		First Floor							
		Liabrary	1	6.95	5.75		39.96		
		Kannad School Office	1	4.90	3.30		16.17		
							128.35		
		Add for contengencies	1	128.35		10%	12.83		
							141.18		
								142.00	Sqm
43	R2-CS-FL-64	Providing and fixing 8mm thk. vitrified tiles as specified below conforming to I.S. 15622-2006 with water absorption less than 0.08% and of approved quality, pattern and colour for dado in the dry area including preparing the surface and levelling in the desired line, backing of 20 thk. cement mortar in porportion 1:3, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, leveling, jointing, filling the joints with neat cement slurry or approved colour grout, finishing, curing etc complete as directed by Engineer In Charge. Light coloured glazed vitrified tiles/ Dark coloured glazed vitrified tiles/ Light coloured antiskid / matt vitrified tiles/ Dark coloured antiskid / matt vitrified tiles							
		Ground Floor							
		Science Lab							
		Long wall	2	6.80		1.20	16.32		
		Short wall	2	5.45		1.20	13.08		
		Deduct door	-1	1.05		1.20	-1.26		
		Office							
		Long wall	2	3.00		1.20	7.20		
		Short wall	2	5.45		1.20	13.08		
		Deduct door	-1	1.05		1.20	-1.26		
		staff room							
		Long wall	2	3.30		1.20	7.92		
		Short wall	2	5.45		1.20	13.08		
		Deduct door	-1	1.05		1.20	-1.26		
		Entrance Lobby							
		Long wall	2	4.90		1.20	11.76		
		Short wall	1	3.00		1.20	3.60		
		Deduct C.G.	-1	2.40		1.20	-2.88		
		Passage (East side)							
		Long wall	1	25.02		1.20	30.02		
			1	21.40		1.20	25.68		
			1	2.20		1.20	2.64		
		short wall	1	1.90		1.20	2.28		
		Deduct door	-2	1.20		1.20	-2.88		

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
			-2	1.05		1.20	-2.52		
		Collapsible Gate of Drinking Water	-1	2.30		1.20	-2.76		
		Folding Gates at passage	-1	1.80		1.20	-2.16		
			1	1.90		1.20	2.28		
		Desuct door	-2	0.75		1.20	-1.80		
		Passage (South side)							
		long wall (room side wall)	1	1.90		1.20	2.28		
		Drinking water no.2 side wall	1	3.80		1.20	4.56		
		staicase side	2	0.70		1.20	1.68		
		short wall	1	11.00		1.20	13.20		
		room side wall	1	5.54		1.20	6.65		
		Folding Gates	-1	1.80		1.20	-2.16		
		Collapsible gate	-1	2.30		1.20	-2.76		
		Passage (West side)							
		Long wall	1	21.40		1.20	25.68		
			1	21.15		1.20	25.38		
		short wall	1	1.80		1.20	2.16		
		Deduct door	-3	1.20		2.10	-7.56		
		Deduct Passage grill	-3	2.15		1.20	-7.74		
			-2	2.03		1.20	-4.87		
			-1	2.25		1.20	-2.70		
			-1	1.85		1.20	-2.22		
			-1	2.38		1.20	-2.86		
			-1	1.80		1.20	-2.16		
		Folding Gates at passage	-1	1.80		1.20	-2.16		
		First Floor							
		Liabrary							
		Long wall	2	6.95		1.20	16.68		
		Short wall	2	5.75		1.20	13.80		
		Deduct door	-1	1.20		1.20	-1.44		
		Kannad school office							
		Long wall	2	4.90		1.20	11.76		
		Short wall	2	3.30		1.20	7.92		
		Deduct door	-1	1.20		1.20	-1.44		
		First Floor							
		Passage (East side)							
		Long wall	1	23.00		1.20	27.60		
			1	21.40		1.20	25.68		
		Short wall	1	1.90		1.20	2.28		
		Deduct door	-4	1.20		1.20	-5.76		
		Deduct Window	-3	2.40		1.20	-8.64		
			-3	1.20		1.20	-4.32		
		Passage (South side)							
		long wall	1	1.90		1.20	2.28		
		Short wall	1	12.80		1.20	15.36		
			1	11.00		1.20	13.20		
		Deduct door	-2	1.20		1.20	-2.88		
		Deduct staircase folding gate	-1	1.50		1.20	-1.80		
		Deduct water tank folding gate	-1	1.80		1.20	-2.16		
		Deduct water tank Safety grill	-1	1.60		1.20	-1.92		
		Deduct store room C.G.	-1	1.90		1.20	-2.28		
		Passage (west side)					0.00		
		long wall	1	21.30		1.20	25.56		
			1	21.40		1.20	25.68		
		short wall	1	1.80		1.20	2.16		
		Deduct door	-3	1.20		1.20	-4.32		
							327.56		
		Add for contengencies 10%	1	327.56		10%	32.76		
							360.32		
								361.00	Sqm

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
44	R2-CS-FL-44-b	Providing and fixing all sides polished natural stone as specified below of approved quality, pattern, colour and thickness for door and window frames / architraves including preparing the surface and levelling in the desired line, machine cutting, jointing in approved adhesives, leveling, smooth cement plastering along the sides to match the existing surface in cement mortar, filling the joints with pigment mixed with cement, cleaning, finishing, curing etc complete as directed by Engineer With green marble							
		Windows							
		Ground & First Floor							
		W	14	6.60			92.40		
		W1	27	5.00			135.00		
		W2	7	4.20			29.40		
		W3	4	4.20			16.80		
		W4	1	4.20			4.20		
		W5	2	5.00			10.00		
		V	14	2.70			37.80		
							325.60		
		Add for contingencies	1	325.60		10%	32.56		
							358.16		
								360.00	Rmt
45	R2-CS-FL-44-d	Providing and fixing all sides polished natural stone as specified below of approved quality, pattern, colour and thickness for door and window frames / architraves including preparing the surface and levelling in the desired line, machine cutting, jointing in approved adhesives, leveling, smooth cement plastering along the sides to match the existing surface in cement mortar, filling the joints with pigment mixed with cement, cleaning, finishing, curing etc complete as directed by Engineer With BLACK GRANITE							
		Toilet door							
		D3	13	5.70			74.10		
							464.82		
		Add for contingencies	1	464.82		10%	46.48		
							511.30		
								512.00	Rmt
46	R2-CS-FL-47-A	Providing and fixing the both face polished 25 to 30mm thk. Kadappa as specified below for shelf including making the slots for support, cutting, jointing in approved adhesives or any other approved means, filling the joints with neat cement mortar with neat smooth plastering as required etc. complete as directed by Engineer-In-Charge.							
		kota cuboard 10 nos	60	1.20	0.40		28.80		
			20	2.00	0.45		18.00		
			20	2.00	0.40		16.00		
							62.80		
		Add 10%	1	62.80	0.10		6.28		
							69.08		
								70.00	sqm
47	R2-CS-FL-43-j	Providing and fixing all sides polished natural stone tiles as specified below of approved quality, pattern, colour and thickness for partition including making the groove in existing cladding/ plaster/ concrete/masonry, machine cutting, leveling, smooth cement plastering along the sides to match the existing surface in cement mortar, filling the joints with neat cement or pigment mixed with cement, cutting for utility pipe in the shape as directed, cleaning, finishing, curing etc complete as directed by Engineer In Charge. 18mm thk. Ruby red, jet black, Hasan green Granite							
		Urinal Partition	7	0.60		1.50	6.30		
		Add for contingencies	1	6.30		10%	0.63		
							6.93		
								7.00	Sqm

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
48	R2-RW-3-17	Providing & fixing in the 60mm thick Lacquer coated (Reflective) interlocking grey cement concrete pavers in Red (TerraCotta), Black, Brown, lemon yellow or any colour with vermeticular or any antiskid texture on top surface of approved pattern/shape and colour having average crushing strength not less than 40N/mm ² manufactured in double layer precast concrete blocks as per technical specifications and IS CODE 15658:2006. The top layer of paver block should be 12to15mm thick and consisting of cubical shape stone aggregate 8mm size sieve 100% passing and retained on 4.75mm size sieve, silica sand and with pure iron oxide ultravoilete stabilized pigment @5% by weight of cement and should be coated with lacquer having hard, high abrasive resistance and water repellent. The bottom layer should be 45 to 48mm thick having 12 mm size sieve 100% passing aggregate as per technical specifications, placed on average compacted thickness of 25mm well graded sand cushioning uniformly compacted with proper capacity mechanical compactor with required level, grade and camber etc. complete as specified and as directed by the Engineer.							
		Back Side							
			1	5.50	4.50			24.75	
			1	24.60	4.80			118.08	
			1	2.45	33.55			82.20	
			1	10.65	6.30			67.10	
			1	21.40	10.50			224.70	
			1	18.00	3.00			54.00	
		Deduct pump room	-1	6.60	3.00			-19.80	
		deduct stage	-1	3.50	6.00			-21.00	
								530.02	
		Add for contengencies 10%	1	530.02		10%		53.00	
								583.02	
								590.00	Sqm
49	R2-RW-3-18	Providing & fixing in the carriageway 80 mm thick grey cement concrete Lacquer coated (Reflective) interlocking pavers in Red (Terra Cotta), Lemon Yellow, Bright Yellow or any colour with vermeticular or any antiskid texture on top surface of approved pattern/ shape and colour having average crushing strength not less than 50 N/mm ² manufactured in double layer precast concrete blocks as per technical specifications and IS CODE 15658:2006. The top layer of paver block should be 12 to 15 mm thick and consisting of cubical shape stone aggregate 8 mm sieve 100% passing and retained on 4.75 mm size sieve, silica sand and with pure iron oxide ultra voilete stabilized pigment @ 5% by weight of white cement and should be coated with lacquer having hard, high abrasive resistance and water repellent.The bottom layer should be 65 to 68 mm thick having 12 mm sieve 100% passing aggregate as per technical specifications, placed on average compacted thickness of 25 mm well graded sand cushioning uniformly compacted with proper capacity mechanical compactor with required level, grade and camber etc. complete as specified and as directed by the Engineer							
		Front side							
			1	18.45	13.10			241.70	
			1	6.00	21.52			129.12	
		Deduct Ramp	-1	2.50	1.20			-3.00	
								367.82	
		Add for contengencies 10%	1	367.82		10%		36.78	
								404.60	
								410.00	Sqm
(H) DOORS & WINDOWS									
50	R2-CS-AW-15-a	Providing and fixing anodized (anodic film must not be less than15 microns i.e. AC -15 as per IS, the anodising must be scaleted by keeping the anodized section in boiling de-anodized water for a period of one hour) aluminum fixed / sliding / pivoted / top hung/ side hung / louvered type windows, doors, ventilators and partitions conforming to IS:1948,1961 with hollow bottom section & standard single/ two/ three/ four track frame section all round (top, bottom and sides) with shutter frame made up of standard handle section standard inter locking section and standard top and bottom section with in fill panel of plain / frosted / tinted glass / Nova pan sheet /acrylic sheet/ hardner laminated sheet as listed below with nylon guides, gliders glass fixing PVC weather strips, neo prene gasket, PVC weep holes etc complete with approved type of locking arrangement, handles and other fixtures including fixing, filling the gaps with silicon sealant, cleaning polishing the aluminium section with petrol and/ or other agents as specified by the manufacturers etc. complete as directed by Engineer In Charge.							
		Windows							

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
		Ground & First Floor							
		W	14	2.40		0.90	30.24		
		W1	27	1.60		0.90	38.88		
		W2	7	1.20		0.90	7.56		
		W3	4	0.90		1.20	4.32		
		W4	1	1.20		0.90	1.08		
		W5	2	1.60		0.90	2.88		
		V	14	0.60		0.75	6.30		
							91.26		
		Add for contingencies	1	91.26		10%	9.13		
							100.39		
		Consider 10Kg/Sqm		100.39		10.00	1003.86		
								1004.00	Kg
51	R2-CS-AW-15-k	Providing and fixing anodized 6 mm. thick Acrylic sheet (anodic film must not be less than 15 microns i.e. AC-15 as per IS, the anodising must be scaleted by keeping the anodized section in boiling de-anodized water for a period of one hour) aluminum fixed/ sliding / pivoted / top hung / side hung / louvered type windows, doors, ventilators and partitions conforming to IS:1948, 1961 with hollow bottom section & standard single / two / three / four track frame section all round (top, bottom and sides) with shutter frame made up of standard handle section standard interlocking section and standard top and bottom section with infill panel of plain / frosted / tinted glass/ Novapan sheet / acrylic sheet / hardner laminated sheet as listed below with nylon guides, gliders glass fixing PVC weather strips, neoprene gasket, PVC weep holes etc complete with approved type of locking arrangement, handles and other fixtures including fixing, filling the gaps with silicon sealant, cleaning polishing the aluminium section with petrol and / or other agents as specified by the manufacturers etc. complete as directed by Engineer In Charge.							
		Windows							
		Ground & First Floor							
		W	14	2.40		0.90	30.24		
		W1	27	1.60		0.90	38.88		
		W2	7	1.20		0.90	7.56		
		W3	4	0.90		1.20	4.32		
		W4	1	1.20		0.90	1.08		
		W5	2	1.60		0.90	2.88		
		V	14	0.60		0.75	6.30		
							91.26		
		Add for contingencies	1	91.26		5%	4.56		
							95.82		
								96.00	Sqm
52	FA-18-SIC-GN-8	Removing,repairing and refixing existing window shutter with frame with approved filler materials,replacing old hardware such as holdfasts, hinges, tower, bolts, aldrops etc (with brass chrome plated hardware) of approved make complete as directed.							
		Ground Floor							
		D1	5	1.20		2.10	12.60		
		D2	1	1.05		2.10	2.21		
		D4	2	1.05		2.10	4.41		
		First floor							
		D1	6	1.20		2.10	15.12		
							34.34		
								35.00	sqm
53	R2-CS-WW-17-c	Providing and fixing superior quality factory made phenol bonded solid core 35mm thick shutter single leaf flush commercial door shutter of thickness as mentioned below and of approved make conforming to IS: 2202 (Part I, II) with 12mm thk. teak wood lipping all around, 3mm thk. commercial veneer on external face with three coats of french polish and 150mm x 60 mm or 125 mm x 75 mm C.P. teak wood frame without fanlight including, approved fixtures and fastening hooks, eyes, screws and painting the frame and interior side with one coat of primer, putty and two coats of synthetic enamel paint of approved make and colour etc. complete as directed by Engineer in charge.							
		Office door	1	1.05		2.10	2.21		
		room	1	1.05		2.10	2.21		

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
		Provisional Qty					2.00		
							6.41	5.00	Sqm
54	R2-CS-PV-03	Providing and fixing to frames 30 mm thick Fibre Glass Reinforced Plastic (FRP) panelled / extruded profiled door shutter of approved colour, brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5mm thick FRP laminate for panels conforming to IS: 14856 - 2000 etc complete as directed							
		Toilet Doors							
		D3	13	0.75		2.10	20.48		
		Add for contingencies	1	20.48		5%	1.02		
							21.50		
								22.00	Sqm
55	R2-CS-WW-05-a	Providing and fixing 25mm thick shutter superior quality factory made single or double leaf Phenol Bonded solid core flush door shutters commercial type hot pressed conforming to IS:2202 (Part I,II) 1991 including 12 mm thk teak wood lipping all around with one coat of primer, putty and 2 coats of synthetic enamel paint on both faces etc. complete as directed. (Hinges, aldrops & standard door hardware to be paid separately)							
		Cupboards/shelf	10	1.20		2.00	24.00		
		Add for contingencies				5%	1.20		
							25.20	25.00	Sqm
56	R2-CS-WW-02	Providing and fixing best quality C.P. Teak wood frame for doors, windows and ventilators size Less than or upto 50mm x 50mm including intermittent supports if required, all moulding, rebating, jointing, hold fasts of MS flats of minimum size 20 x 3 mm, having length of 150 mm and finishing with 3 coats of French polish or one coat of primer and synthetic enamel paint in two coats as directed etc. complete as directed.							
		Framing for cupboard (10 no.s)							
		long side	20	2.00	0.05	0.05	0.10		
		short side	20	1.20	0.05	0.05	0.06		
							0.16		
		Add for contingencies				5%	0.01		
							0.17	1.00	Cum
(I) WATERPROOFING WORK									
57	R2-CS-WP-34	Providing water proofing treatment to existing RCC overhead tank, basements, lift-pits and other underground structures. The treatment shall be done by giving INJECTIONS wherever necessary with waterproofing compound and cement solution as per tenderer's specifications into the floor & walls upto the full height of structures. All inherent holes, cavities, voids & honeycomb shall be filled up to make the structure consistent, homogenous resistant to water breakages, seepage, dampness and moisture etc. The floor shall then be treated with waterproofing metal coba of 30 mm to 35 mm thick in 1:4 C.S. mortar and walls with first coat of waterproofing plaster as per tenderer's specifications. Finally both floor and walls shall be finished smooth with jointless waterproofing plaster 1:3 C.S. 12 mm to 15 mm thick with water proofing materials as per tenderer's specifications in cement or finished rough to receive tile pavement or dado. The thickness of the treatment shall not be less than 50 mm to 60 mm for floors and 25 mm for walls. (The actual area of the treatment will be							
		UG Tank	2	6.60		2.50	33.00		
			2	3.00		2.50	15.00		
			1	6.60	3.00		19.80		
							67.80	68.00	sqmt

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit	
58	R2-CS-WP-37	Providing waterproofing treatment through specialized agencies as per their specifications to the flooring of water closets, bathrooms, kitchen, nahanies, washing places, sanitary blocks etc. by giving INJECTIONS with cement solution with water proofing compound into the floor slab so as to make it consistent, homogeneous and impervious against leakage, seepage etc. The sunk portion shall then be covered with brickbat waterproof coba in 1:5 c.s. of required thickness with necessary gradient for easy flow of water. Finally the floor shall be covered with joint less waterproof cement plaster in 1:3 c.s. 12 mm to 15 mm thick finished rough for receiving tiles. The average thickness of complete treatment shall not be less than 100 mm. The soil pan area will not be deducted. (After completion of work leakage test shall be carried out after compounding the water for 7 days without any extra cost. The actual treated area will be measured and paid for).								
		Same as Qty Item no R2-CS-FL-07-d	1	87.00				87.00	sqmt	
59	R2-CS-WP-16	Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer, 3 mm thick water proofing membrane, black finished reinforced with glass fibre matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same mbrane manufactured of density at 25°C, 0.87 - 0.89 kg/litre and viscocity 70 - 160 cps. Over the primer coat the layer of membrane shall be laid using butane torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 350/300 N/5 cm. Tear strength in longitudinal and transverse direction as 60/80N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto - 2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator								
		Office slab	1	7.00		1.90	13.30			
		Store room slab	1	7.00		1.80	12.60			
							25.90			
		Add for contengencies	1	25.90		10%	2.59			
							28.49	30.00	sqmt	
(J) PAINTING WORK										
60	R2-CS-PN-4-a	Providing and applying first single coat of approved primer and two coats of synthetic enamel paint/flat oil paint of an approved make and colour as per manufacturers specifications to plastered wall surface, at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting by any approved means etc. complete as directed by Engineer-in-charge.								
		INTERNAL PAINTING								
		Ground Floor (internal plaster)								
		Staircase Area								
		Long wall	2	4.87		3.15	30.68			
		short wall	1	3.15		3.15	9.92			
		Deduct Rcc jali	-1	2.55		0.90	-2.30			
			-1	2.55		1.28	-3.26			
		Room								
		Long wall	2	2.50		1.20	6.00			
		short wall	2	5.54		1.20	13.30			
		Deduct D2	-1	1.00		1.20	-1.20			
		Class room 3								
		Long wall	2	6.80		1.20	16.32			
		short wall	2	5.50		1.20	13.20			
		Deduct D1	-1	1.20		1.20	-1.44			
		Class room 4								
		Long wall	2	6.80		1.20	16.32			
		short wall	2	5.50		1.20	13.20			
		Deduct D1	-1	1.20		1.20	-1.44			
		Class room 5								
		Long wall	2	6.80		1.20	16.32			
		short wall	2	5.50		1.20	13.20			
		Deduct D1	-1	1.20		1.20	-1.44			
		Staircase area								
		Long wall area	2	4.87		3.15	30.68			
		short wall	1	3.30		3.00	9.90			
		Pardi	2	3.35		1.00	6.70			
			2	3.35		1.00	6.70			
		Deduct Rcc Jali	-1	2.55		2.56	-6.53			

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
		First Floor							
		Class room 6							
		Long wall	2	6.95		1.20	16.68		
		short wall Area	2	5.70		1.20	13.68		
		Deduct D1	1	1.20		2.10	2.52		
		Class room 7							
		Long wall	2	6.80		1.20	16.32		
		short wall Area	2	5.70		1.20	13.68		
		Deduct D1	1	1.20		1.20	1.44		
		Staircase area							
		Long wall area= (5.05*3+0.5*5.05*1.2)	1	18.18			18.18		
		(4.85*3+0.5*4.85*1.2)	1	17.46			17.46		
		short wall	2	3.30		3.00	19.80		
		Deduct Rcc Jali	-1	2.55		2.38	-6.07		
		Deduct folding gate	-1	1.50		2.45	-3.68		
		Deduct Safety grill	-1	1.65		2.27	-3.75		
			-1	1.50		1.02	-1.53		
		Water Tank area							
		Long wall area= (2.7*3+0.5*2.7*1.2)	2	9.72			19.44		
		short wall	1	3.40		3.00	10.20		
		Class room 11							
		Long wall	2	6.80		1.20	16.32		
		short wall Area	2	5.75		1.20	13.80		
		Deduct D1	-1	1.20		1.20	-1.44		
		Class room 12							
		Long wall	2	6.80		1.20	16.32		
		short wall Area	2	5.75		1.20	13.80		
		Deduct D1	-1	1.20		1.20	-1.44		
							376.57		
								377.00	Sqm
61	R2-CS-PN-3	Providing and applying first single coat of approved primer and two coats of acrylic distemper (oil bound distemper) of an approved make and colour as per manufacturers specifications to any surface, at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting with broom by any approved means, etc. complete as directed by Engineer-in-charge.							
		Ground Floor							
		Science lab							
		Long wall	2	6.80		1.95	26.52		
		short wall	2	5.45		1.95	21.26		
		Deduct D1	-1	1.20		0.90	-1.08		
		Deduct W1	-5	1.60		0.90	-7.20		
		Computer room							
		Long wall	2	6.80		1.95	26.52		
		short wall	2	5.45		1.95	21.26		
		Deduct D1	-1	1.20		0.90	-1.08		
		Deduct W1	-5	1.60		0.90	-7.20		
		staff room							
		Long wall	2	3.30		1.95	12.87		
		short wall	2	5.45		1.95	21.26		
		Deduct D2	-1	1.05		0.90	-0.95		
		Deduct W1	-1	1.60		0.90	-1.44		
		office							
		Long wall	2	3.30		1.95	12.87		
		short wall	2	5.45		1.95	21.26		
		Deduct D2	-1	1.05		0.90	-0.95		
		Deduct W1	-1	1.60		0.90	-1.44		
		Drinking 1							
		Long wall	1	2.30		1.35	3.11		

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
		short wall	2	5.85		1.35	15.80		
		Deduct W4	-1	1.60		0.75	-1.20		
		Deduct D2	-1	1.05		0.30	-0.32		
		Deduct Dado	-1	2.30		1.35	-3.11		
			-2	5.85		1.35	-15.80		
		Entrance Lobby							
		Long wall	2	4.90		1.05	10.29		
		short wall	1	3.00		1.65	4.95		
		Deduct C.G.	-1	2.40		1.50	-3.60		
		Room							
		Long wall	2	2.50		1.95	9.75		
		short wall	2	5.54		1.95	21.61		
		Deduct D2	-1	1.00		0.90	-0.90		
		Deduct W3	-2	0.90		1.20	-2.16		
		Drinking 2							
		Long wall	1	2.30		1.35	3.11		
		short wall	2	5.90		1.35	15.93		
		Deduct W4	-1	1.60		0.75	-1.20		
		Deduct D2	-1	1.05		0.30	-0.32		
		Deduct dado	-1	2.30		1.35	-3.11		
			-2	5.90		1.35	-15.93		
		Class room 3							
		Long wall	2	6.80		1.95	26.52		
		short wall	2	5.50		1.95	21.45		
		Deduct D1	-1	1.20		0.90	-1.08		
		Deduct W1	-5	1.60		0.90	-7.20		
		Class room 4							
		Long wall	2	6.80		1.95	26.52		
		short wall	2	5.50		1.95	21.45		
		Deduct D1	-1	1.20		0.90	-1.08		
		Deduct W1	-5	1.60		0.90	-7.20		
		Class room 5							
		Long wall	2	6.80		1.95	26.52		
		short wall	2	5.50		1.95	21.45		
		Deduct D1	-1	1.20		0.90	-1.08		
		Deduct W1	-5	1.60		0.90	-7.20		
		Boys toilet							
		Long wall	2	4.00		3.15	25.20		
		short wall	2	5.45		3.15	34.34		
		deduct dado	-2	4.00		2.50	-20.00		
			-2	5.45		2.50	-27.25		
		Deduct D2	-1	1.05		2.10	-2.21		
		G. staff Toilet							
		Long wall	2	1.20		3.15	7.56		
		short wall	2	0.90		3.15	5.67		
		deduct dado	-2	1.20		2.50	-6.00		
			-2	0.90		2.50	-4.50		
		Girls toilet							
		Long wall	2	4.00		3.15	25.20		
		short wall	2	5.41		3.15	34.08		
		deduct dado	-2	4.00		2.50	-20.00		
			-2	5.45		2.50	-27.25		
		Passage (East side)							
		Long wall	1	21.30		3.15	67.10		
			1	21.40		3.15	67.41		
			1	2.20		3.15	6.93		
			1	1.60		3.15	5.04		
		Deduct D1	-2	1.20		2.10	-5.04		

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
		Deduct D2	-2	1.05		2.10	-4.41		
		Deduct W1	-4	1.60		0.90	-5.76		
		Collapsible Gate of Drinking Water	-1	2.30		2.75	-6.33		
		Deduct Passage grill	-3	2.15		1.20	-7.74		
			-2	2.03		1.20	-4.87		
			-1	2.25		1.20	-2.70		
			-1	1.85		1.20	-2.22		
			-1	2.38		1.20	-2.86		
		Folding Gates at passage	-1	1.80		1.25	-2.25		
		short wall	2	1.90		3.15	11.97		
		Deduct staff wc dado	-1	1.90		2.50	-4.75		
		Deduct Passage grill	-1	1.90		1.20	-2.28		
		Deduct passage dado	-1	21.30		1.20	-25.56		
			-1	21.40		1.20	-25.68		
		Passage (South side)							
		long wall (room side wall)	1	1.90		3.15	5.99		
		long wall (Drinking water no.2 side wall)	1	3.80		3.15	11.97		
		short wall	1	11.00		3.15	34.65		
		short wall (room side wall)	1	5.54		3.15	17.45		
		Folding Gates	-1	1.80		2.75	-4.95		
		Passage grill	-3	2.41		1.70	-12.29		
		Collapsible gate	-1	2.30		2.75	-6.33		
		Deduct passage dado	-1	1.90		1.20	-2.28		
			-1	3.80		1.20	-4.56		
			-1	11.00		1.20	-13.20		
			-1	5.54		1.20	-6.65		
		Passage (West side)							
		Long wall	2	21.40		3.15	134.82		
		short wall	1	1.80		3.15	5.67		
		Deduct D1	-3	1.20		2.10	-7.56		
		Deduct W1	-6	1.60		0.90	-8.64		
		Deduct Passage grill	-3	2.15		1.20	-7.74		
			-2	2.03		1.20	-4.87		
			-1	2.25		1.20	-2.70		
			-1	1.85		1.20	-2.22		
			-1	2.38		1.20	-2.86		
			-1	1.80		1.20	-2.16		
		Folding Gates at passage	-1	1.80		2.45	-4.41		
		Long wall	-2	21.40		1.20	-51.36		
		short wall	-1	1.80		1.20	-2.16		
		Pump room							
		Long wall	2	2.14		3.00	12.84		
		short wall	2	2.54		3.00	15.24		
		Deduct D2	-1	1.05		2.10	-2.21		
		Deduct V1	-1	0.60		0.75	-0.45		
		Deduct V2	-1	0.75		0.60	-0.45		
		First Floor (internal plaster)							
		Class room 6							
		Long wall	2	6.95		1.80	25.02		
		short wall Area =(5.7*3+0.5*5.7*1.2)-(5.7*1.2)	2	13.68			27.36		
		Deduct D1	1	1.20		0.90	1.08		
		Deduct W	-3	2.40		0.90	-6.48		
		Deduct W2	-1	1.20		0.90	-1.08		
		Class room 7							
		Long wall	2	6.80		1.80	24.48		
		short wall Area= (5.7*3+0.5*5.7*1.2)-(5.7*1.2)	2	13.68			27.36		
		Deduct D1	1	1.20		0.90	1.08		

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
		Deduct W	-3	2.40		0.90	-6.48		
		Deduct W2	-1	1.20		0.90	-1.08		
		Kannad school office							
		Long wall area =(3.3*3+0.5*3.3*1.2)-(3.3*1.2)	2	7.92			15.84		
		short wall	2	3.30		1.80	11.88		
		Deduct D1	-1	1.20		0.90	-1.08		
		Deduct W3	-1	0.90		1.20	-1.08		
		Deduct dado	-2	4.90		1.20	-11.76		
			-2	3.30		1.20	-7.92		
		Class room 11							
		Long wall	2	6.80		1.80	24.48		
		short wall Area =(5.75*3+0.5*5.75*1.2)- (5.75*1.2)	2	13.80			27.60		
		Deduct D1	1	1.20		0.90	1.08		
		Deduct W	-3	2.40		0.90	-6.48		
		Deduct W2	-1	1.20		0.90	-1.08		
		Class room 12							
		Long wall	2	6.80		1.80	24.48		
		short wall Area =(5.75*3+0.5*5.75*1.2)- (5.75*1.2)	2	13.80			27.60		
		Deduct D1	1	1.20		0.90	1.08		
		Deduct W	-3	2.40		0.90	-6.48		
		Deduct W2	-1	1.20		0.90	-1.08		
		Liabrary							
		Long wall	2	6.95		1.95	27.11		
		short wall Area =(5.75*3+0.5*5.75*1.2)- (5.75*1.2)	2	13.80			27.60		
		Deduct D1	-1	1.20		0.90	-1.08		
		Deduct W	-2	2.40		0.90	-4.32		
		Deduct W2	-3	1.20		0.90	-3.24		
		Passage (East side)							
		Long wall	1	23.00		3.00	69.00		
			1	21.40		2.32	49.65		
		Short wall	1	1.90		3.00	5.70		
		(1.9*2.32+0.5*1.9*0.95)-(1.9*1.2)	1	3.03			3.03		
		Deduct Passage grill	-1	20.91		1.12	-23.42		
			-1	1.90		1.12	-2.13		
		Deduct D1	-4	1.20		2.10	-10.08		
		Deduct W	-3	2.40		0.90	-6.48		
		Deduct W2	-3	1.20		0.90	-3.24		
		Deduct office C.G.	-1	1.90		2.10	-3.99		
		Deduct passage dado	-1	23.00		1.20	-27.60		
			-1	21.40		1.20	-25.68		
			-1	1.90		1.20	-2.28		
		Passage (South side)							
		long wall	1	1.90		3.00	5.70		
		Short wall	1	12.80		3.00	38.40		
			1	11.00		2.32	25.52		
		Deduct Passage grill	-1	9.76		1.12	-10.93		
		Deduct D1	-2	1.20		2.10	-5.04		
		Deduct staircase folding gate	-1	1.50		2.45	-3.68		
		Deduct staircase Safety grill	-1	1.65		2.27	-3.75		
			-1	1.50		1.02	-1.53		
		Deduct water tank folding gate	-1	1.80		2.45	-4.41		

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
		Deduct water tank Safety grill =(3.40*3.27-1.8*2.45)	-1	6.71			-6.71		
		Deduct store room C.G.	-1	1.90		2.10	-3.99		
		Deduct passage dado	-1	1.90		1.20	-2.28		
			-1	12.80		1.20	-15.36		
			-1	11.00		1.20	-13.20		
		Passage (west side)					0.00		
		long wall	1	21.30		3.00	63.90		
			1	21.40		2.32	49.65		
		short wall area(1.8*2.32+0.5*1.8*0.95)	1	5.03			5.03		
		Deduct Passage grill	-1	20.91		1.12	-23.42		
			-1	1.80		1.12	-2.02		
		Deduct D1	-3	1.20		2.10	-7.56		
		Deduct W	-2	2.40		0.90	-4.32		
		Deduct W2	-5	1.20		0.90	-5.40		
		Deduct passage dado	-1	21.30		1.20	-25.56		
			-1	21.40		1.20	-25.68		
			1	1.80		1.20	1.80		
							749.94		
								750.00	Sqm
62	R2-CS-PN-12-a	Providing and applying first single coat of approved primer and two coats of anti-algal, anti-fungal, By using acrylic based exterior paint an approved make and colour as per manufacturers specifications to any surface, upto 10m height from ground level and at all locations as directed including preparing surfaces for painting by any approved means, watering, scaffolding, cleaning and curing etc. complete as directed by Engineer-in-charge.							
		Same as Qty Item no R2-CS-DD-65- B	1.00	1313.45			1313.45		
		Compound wall	2	37.20	0.30	1.00	22.32		
							1313.45		
		add 15%	1	1313.45		0.15	197.02		
							1510.47	1510.00	Sqm
63	R2-CS-PN-1	Providing and applying three coats of White/colour wash to any surface with lime wash prepared from quick lime of best quality by adding blue/colour pigments and glue of approved colour, quality in required quantities at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting with broom, coir and sand paper if necessary or by any other approved means etc. complete as directed by Engineer-in-charge.							
		Ceiling							
		Ground Floor							
		class room 1&2	2	6.80	5.54		75.34		
		staff room	1	3.30	5.54		18.28		
		office	1	3.00	5.54		16.62		
		Drinking water	1	2.30	5.85		13.46		
		boys toilet	1	3.40	4.15		14.11		
		wc	1	1.90	1.20		2.28		
		Entrance lobby	1	6.50	3.00		19.50		
		Room	1	2.25	5.54		12.47		
		Girls Toilet	1	4.00	5.41		21.64		
		Drinking water	1	2.30	5.90		13.57		
		class room 3,4&5	3	6.80	5.50		112.20		
		Passage (East side)	1	26.55	1.90		50.45		
		Passage (South side)	1	12.89	1.80		23.20		
		Room side passage	1	5.54	1.90		10.53		
		Passage (west side)	1	21.4	1.80		38.52		
							442.16		
		add 15%	1	442.16		0.15	66.32		
							508.48	510.00	Sqm

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit	
64	R2-CS-RM-45	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :One or more coats on old work								
		Same as Qty Item no R2-CS-DD-65- B	1	235.70			235.70			
								236.00	Sqm	
(K) IRON WORK										
65	R2-CS-SS-04	Providing, detailing, composite fabricating members like Trusses, Ngirders, girders, bracings, supports, purlins, runners, and similar structural steel members fabricated using M.S. hollow tubular steel sections (circular & rectangular pipes), of TATA Structura Make or equivalent conforming to IS 1239 part 1 and 2 and of grade Fe 250 as per specifications and approved fabrication drawings (which are to be prepared by Contractor and got approved from Engineer), including transportation of the same to site, erection of structural steel members for all heights & at all levels, provision of necessary erection bolts, fixing bolts, nuts, washers, cleats, stiffeners, gussets, base plate, and all necessary operations like preheating as per specifications, straightening, bending, cutting, drilling, grinding, machining if specified, welding, grinding, removing the welding burr and preparing surface for painting with wire brush cleaning and applying two coats of epoxy red oxide zinc phosphate primer of 30 microns each and two coats of Epoxy Corrosion Resistant Enamel paint of 30 microns after fabrication including touching up with spray painting after erection etc complete as directed by Engineer								
		ISMB250 (weight 37.30 kg/m)	2	2.95		37.30	220.07			
		MS Plate (weight 118 kg/m & Width 1.5 m)	1	2.95		118	348.1			
							568.17			
		Add contingencies 5%	1	568.17		0.05	28.4085			
		Truss & Purlins same as per item no.=R2-CS-DD-15	1	2189.00			2189.00			
							2785.58	KG		
							2.8	MT		
66	R2-CS-RW-04	Providing and fixing 6 mm thick Non-asbestos high impact Polypropylene reinforced cement corrugated sheet of approved make conforming to IS: 14871-2000 laying the same in position as per the stipulation in IS: 3007- 1991 using 8m dia polymer coated iron L or J hook bolts, Ivanized iron & bituminous washers, or self drilling fasteners and EPDM washers, galvanized iron clamps, nuts and bolts etc. complete and as directed. (Net Area covered by sheeting will be measured. Laps will not be paid separately)								
		Same as per R2-CS-RW-10					864.00	864.00	Sqm	
67	R2-CS-RW-07-a	Providing and fixing non-asbestos fiber cement high impact polypropylene reinforced roofing accessories in all colours with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers or with self drilling fastener and EPDM washer etc. complete as directed.Corrugated serrated adjustable ridges								
		ridge	2	29.75			29.75			
			1	11.60			12.00			
							41.75			
		Add for contengencies				10%	1.20			
							54.95	55.00	Rmt	
68	R2-CS-RW-14	Galvanised iron sheet 0.8 mm (22 B.W.G.) eaves gutter 200 mm to 230 mm wide and 100 mm to 125 mm deep moulded or half round girth up to 600mm including iron rods, on the edges (throughout the length) and galvanised iron sheet ferrules with fixtures, for outlets wherever required clamped using W.I. clamp 38 mm x 3 mm fixed 1.0 m C/C including fasteners and three coats of synthetic enamel paint of approved make and shade including making necessary connections with rain water pipes etc complete and as directed								
		Valley gutter	2	28.55			28.55			
			1	27.25			12.00			
			2	21.40			12.00			
			1	10.50			12.00			
							64.55			

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
		Add for contingencies				15%	9.68		
							74.23	74.00	Rmt
69	R2-CS-SS-31	Providing, fabricating, welding and fixing 1.0m high MS pipe hand railing, weight 10 to 12 kg per Rmt including all necessary fixtures, holdfasts, supports and painting with one coat of red oxide zinc chromate primer and two coats of approved synthetic enamel paint etc complete as directed by Engineer In Charge.							
		Ramp1	2	2.50			5.00		
								5.00	Rmt
70	FA-18-SIC-GN-4	Removing, Altering/ Replacing and Refixing of existing MS grills/ steel windows as instructed inclusive of washers, etc complete.							
		First Floor							
		Passage Grill	1.00	55.54		1.12	62.20		
		Staircase Safety grill	1	1.65		2.27	3.75		
			1	1.50		1.02	1.53		
		water tank Safety grill =(3.40*3.27-1.8*2.45)	1	6.71			6.71		
		Ground Floor							
		Passage Grill	3	2.41		1.70	12.29		
			6	2.15		1.20	15.48		
			4	2.03		1.20	9.74		
			2	2.25		1.20	5.40		
			2	1.85		1.20	4.44		
			2	2.38		1.20	5.71		
			1	1.90		1.20	2.28		
			1	1.80		1.20	2.16		
		First Floor							
			1	9.76		1.11	10.83		
			2	20.78		1.11	46.13		
			1	1.90		1.11	2.11		
			1	1.80		1.11	2.00		
							192.77		
		Add for contingencies				10%	19.28		
							212.04		
						say		212.00	sqmt
71	R2-CS-SL-12-a	Providing and Fixing MS Safety grill of weight specified below for windows as per design including fabricating the grill using M.S. square / round bar, flats and angles including painting with one coat of red oxide zinc chromate primer and two coats of synthetic enamel paint of approved colour and brand etc complete as directed. Grill weighing 10 to 15 kg / sqm							
		W	14	2.70		1.20	45.36		
		W1	27	1.90		1.20	61.56		
		W2	7	1.50		1.20	12.6		
		W3	4	1.20		1.50	7.2		
		W4	1	1.50		1.20	1.80		
		W5	2	1.90		1.20	4.56		
		V	14	0.90		1.05	13.23		
							146.31		
		Add for contingencies				10%	14.63		
							160.94		
						say		161.00	sqmt
72	R2-CS-SL-14-a	Providing, fabricating and fixing M.S. grill work as per approved design and as per weight specified below to fencing / compound made out of square / round bars, M.S. flats, angles, with necessary holdfast including painting with one coat of red oxide zinc chromate primer and two coats of approved synthetic enamel paint etc. complete as directed by Engineer In Charge.							
		Compound fencing	1	85.71		0.60	51.43		
			1	53.60		0.60	32.16		
		Middle compound wall	1	41.66		0.60	25.00		

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit	
		Play area Compound wall fencing								
		West side	1	38.61		1.20	46.33			
		East side	1	39.60		0.60	23.76			
		Deduct gates	-1	4.50		0.60	-2.70			
			-1	2.50		0.60	-1.50			
			-1	2.00		0.60	-1.20			
							173.27			
		Add for contingencies				10%	17.33			
							190.60			
							say	191.00	sqmt	
(L) PUBLIC HEALTH WORK										
73	R2-CS-FL-88	TELEPHONE BLACK GRANITE WASH HAND BASIN COUNTER : Providing and making wash basin counter in single piece of 18 mm to 20 mm thk. Telephone Black granite 600 mm side fixed over 25 to 40 mm thk. Black Cuddappa, stand with type construction, by making zari, in walls upto 75 mm deep & fitting the wall surface by C.M. 1:2 with necessary moulding, profile cutting in granite and cudappa including making hole to receive pillar cock for wash basin etc complete and as per detailed drawing, as directed by the Engineer-In-Charge.								
		Girls & Boys Toilet Wash basin	2	1.20			2.40			
		Total					2.40			
								2.50	Rmt	
74	R2-CS-PS-27-b-2	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete								
			5					5.00	each	
75	R2-CS-PS-166-a-1	Stoneware gully trap 225 mm X 225 mm with 150 mm outlet with 110 mm thick brick (1:5 c. m.) masonry hopper chamber constructed on 65 cm X 65 cm, 1:3:6 c.c. bedding 100 mm thick with C. I. frame and C.I. cover 300 mm X 460 mm fixed complete with 12 mm cement plaster (1:4) inside and outside to the brick masonry walls complete as specified and directed. With common burnt clay F.P.S. (non modular) bricks of class designation 7.5								
			10				10.00			
								10.00	Nos	
76	R2-CS-PS-59-b-2	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors								
		Providing and fixing nahani trap	10				10.00			
								10.00	Nos	
77	R2-CS-PS-73	Providing and fixing PTMT 15 mm Urinal spreader size 95x69x100 mm with 1/2" BSP thread and shapes. Weighing not less than 60 gms								
		Providing & Fixing 15 mm diameter urinal spreader	8				8.00			
								8.00	Each	
78	R2-CS-PS-194	Constructing brick masonry inspection chamber 90cm x 45cm x 30cm 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 haunches, 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.								
		Inspection Chamber	10				10.00			
								10.00	Nos	

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
79	R2-CS-PS-7-d	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 pair of 15 mm C.P. brass pillar taps.							
		Providing and fixing hand wash basin	3				3.00		
								3.00	Nos
80	R2-CS-PS-1-a	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, 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 :White Vitreous china Orissa pattern W.C. pan of size 580x440mm with integral type foot rests.							
		w.c pan (indian)	4				4.00		
								4.00	Nos
81	R2-CS-PS-2-a	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 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 :rests. W.C. pan with ISI marked white solid plastic seat and lid							
		Provisional qty	7				7.00		
								7.00	Nos
82	R2-CS-PS-164-d	Providing and laying cement concrete 1:4:8 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design :-250 mm diameter S.W. pipe							
		SWD Line	1	120.00				120.00	Rmt
83	R2-CS-PS-88-a	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.- 15 mm dia nominal bore							
		Girls, Boys & staff toilets	1	10.00			10.00		
		drinking water	2	6.00			12.00		
			1	6.00			6.00		
							28.00		
		Add for contingencies 10%				10%	2.80		
							30.80	31.00	Rmt
84	R2-CS-PS-90-b	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. - 20 mm dia nominal bore							
		Delivery water - pump room to Drinking water area	1	10.00			10.00		
		Add for contingencies 10%				10%	1.00		
							11.00	11.00	Rmt
85	R2-CS-PS-191-a	Providing and fixing in position uPVC/SWR (Soil/Waste/Rain) pipe of type-B 75 mm dia. in any position including all fittings and accessories, making joints / connections water tight with solvent cement, scaffolding if necessary and making good the damages if any (excluding excavation and refilling the trenches) etc. complete as specified and directed.(All fittings and accessories like clamps,etc. should be of same brand. No separate payment shall be made for fittings and accessories).:- For 455x610 mm size							
		Same as per R2-CS-DD-37-a					17.00	17.00	Rmt
86	R2-CS-PS-192	Providing and fixing in position uPVC/SWR (Soil/Waste/Rain) pipe of type-B 110 mm dia. in any position including all fittings and accessories, making joints / connections water tight with solvent cement, scaffolding if necessary and making good the damages if any (excluding excavation and refilling the trenches) etc. complete as specified and directed.(All fittings and accessories like clamps,etc. should be of same brand. No separate payment shall be made for fittings and accessories).							

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
		Same as per R2-CS-DD-37-b	6	8.00			48.00	48.00	Rmt
87	R2-CS-PS-94-a	Providing and fixing brass stop cock of approved quality : 15 mm nominal bore					5.00		
			5					5.00	Nos
88	R2-CS-PS-94-b	Providing and fixing brass stop cock of approved quality : 20 mm nominal bore					1.00		
			1					1.00	Nos
89	R2-CS-PS-93-a	Providing and fixing brass bib cock of approved quality : 15 mm nominal bore each					10.00		
			10					10.00	Nos
90	R2-CS-PS-126	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 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.							
		water storage tank	2	5000.00			10000.00		
							10000.00	10000.00	litre
91	FAIR-SIC-19-05	Providing and fixing stainless steel water trough 16 gauge of clear size 30 cm. x 30 cm. With moulded edges, 75 mm. dia. inbuild S.S. waste water jali with required fittings and PVC Pipes, etc. complete as directed by Engineer.							
		Drinking water	2	3			6		
		Girls & Boys toilet	2	1.5			3		
							9		
		Add for contingencies 10%				10%	0.90		
							9.90	10.00	rmt
(M) MISCELLANEOUS WORK									
92	FA-18-SIC-GN-11	Supply and Installation of Insitu Cast in ECOFLEX 'Playsafe' safety flooring on a smooth, pre-prepared PCC base laid to required slope, consisting of 30mm base layer made by using rubber granules 'R' grade, duly meshed and Voramer Isocynate 15% by weight and top layer of 6mm thk of 80% of SBR rubber crumb and 20% EPDM rubber crumb duly meshed 1-4mm with binder of Voramer Isocynate 20% by weight as per design given by the Architect and complete as per manufacturer's specification. (Rate excludes preparation of PCC base)							
		play area	1	10.23		12.93	132.27		
								133.00	sqmt
93	FA-18-SIC-AV-04	Providing and fixing notice boards with 12 mm thick approved soft boards of aproved make, black or green painted with fully glazed shutters and T.W. frames 50 mm x 38 mm including fixtures and fastenings of approved make complete as directed.							
		GF	3	1.50	1.20		5.40		
		FF	2	1.20	1.20		2.88		
		Total					8.28		
		Add for contingencies				5%	0.41		
							8.69	9.00	Sqm
94	R2-CS-RM-98	Providing & constructing Soft board panelling with soft board & fabric. Basic rate of fabric is 150/metre							
		GF & FF	11	5.50	0.60		36.30		
							36.30		
								36.00	Sqm
95	FA-18-SIC-AV-07	Providing and fixing number plates of size 150mm x 200mm for all class room and staff rooms in silver anodized aluminium 50 x 50mm size including 2mm thick flexi glass of equivalent size all complete as per details.							
		AS per room	14				14.00		
								14.00	Each

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
96	R2-CS-AT-4	Providing anti termite treatment conforming to IS- 6313 (part-III) to the wooden frames of doors / windows of the Existing building by drilling the 3 mm dia. holes at 150mm c/c and at the junction of wood work and masonry work to downward angle of 45 degree and injecting 500 ml per hole or until							
		door wooden frame	19	6.60			125.40		
								125.40	rmt
97	R2-CS-AT-3	Providing anti termite treatment conforming to IS- 6313 (part-III) to the sides of flooring of the Existing building by punching/ drilling the holes of 16 mm dia at a distance of 300mm centre to centre and injecting 150 ml untill refusal or to a maximum of 1 Lit. per hole with chloropyrifos EC 20 Emulsion or equivalent of 1% concentration by weight, sealing the hole by filling the putty etc. complete as directed by Engineer-In-Charge with 2 years guaranty.							
			1	514.00			514.00		
							say	520.00	Per Hole
98	R2-CS-PL-45	P&F in position Gypsum board false ceiling with 12.5mm th. Gypsum boards, screwed/ fixed to the under struct of suspended G.I. Grid const & suspended from the main ceiling of ceiling sectn at max c to c distance of 450 mm perimeter channel and intermediate channels at max c to c distance 1200 mm galvanised grid should be fixed to RF CC slab.The gypsum board should be fixed to galvanised iron grid with necessary screws.The boards should be taped and filled from underside to give smooth, seamless ceiling.The rate should include necessary additional ceiling sections and intermediate channels to be provided at openings for light fixtures, asbestos cement ducts, vertical drops, offsets etc. Additional intermediate channels should be fixed to strap hangers for additional support to prevent strapping at every 1200 mm item to be comp in all respect.(G.I. perimeter channel size- 27mmx0.5mm thk. flange-20mm &30mm,intermediate channel. size- 45mm & 0.9mm thk., hanger size-25mmx0.5mm thk.)complete.							
		Class room 6	1	6.95	5.70		39.62		
		Class room 7	1	6.80	5.70		38.76		
		Class room 10	1	6.75	5.75		38.81		
		Class room 11,12	2	6.80	5.75		78.20		
		Library	1	6.95	5.75		39.96		
		Kannad school office	1	4.90	3.30		16.17		
							251.52		
		Add for contengencies 10%	1	251.52	0.10		25.15		
							276.67		
								277.00	SQM
99	R2-CS-RM-99	P/F Aluminium composite sheet of 3 mm thick either suspended or fixed bracketed on wall with U.V digital printing at suitable locn including all necessary framework completed as per detailed drawings to be issued during construction & as directed by the engineer.							
		Area	1	4.50	0.60		2.70		
		Add for contengencies 5%	1	2.70		0.05	0.14		
							2.84	3.00	Sqm
100	CE5-07-004-FAIR-38	Providing and fixing alluminium comp[osite panel for external wall cladding of mahr alcobond / kynar 5000 PVDF coated alluminium composite panel of exterior grade with both skin of 0.5 mm thick i[ncluding required frame work as per manufacturer detail and pattern as approved by architect with all necessary fittings fixtures scaffolding etc. complete.							
		Area	1	4.50	6.00		27.00		
		Total					27.00		
		Add for contengencies				5%	1.35		
							28.35	29.00	Sqm
(N) HARDWARE									
101	R2-CS-HW-09-a-4	Providing and fixing handles as described below, manufactured as per IS:208-1992 for doors and windows and with necessary materials and fixtures like screws etc. and all labour etc. complete.150mm long							
		All doors -30*2	60				60		

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
								60	No.s
102	R2-CS-HW-09-a-3	Providing and fixing handles as described below, manufactured as per IS:208-1992 for doors and windows and with necessary materials and fixtures like screws etc. and all labour etc. complete.125mm long							
		All clasroom cupboard - 10*2	20				20		
								20	No.s
103	R2-CS-HW-08-a-2	Providing and fixing tower bolts as described below conforming to IS:204- 1992 (Part I,II) for doors & windows with necessary materials and labour etc. complete.150 mm long							
		All doors	30				30		
								30	No.s
104	R2-CS-HW-06-d-2	Providing and fixing aldrops of 16 mm diameter bars manufactured as per IS:2681-1991, wherever they apply for doors and windows with necessary materials and labour etc. complete.300 mm long.Standard Stainless Steel make Aldrop 300 mm long							
		All doors	30				30		
								30	No.s
105	R2-CS-HW-06-d-1	Providing and fixing aldrops of 16 mm diameter bars manufactured as per IS:2681-1991, wherever they apply for doors and windows with necessary materials and labour etc. complete.300 mm long.Standard Stainless Steel make Aldrop 250 mm long							
		All clasroom cupboard	10				10		
								10	No.s
106	R2-CS-HW-04-c-2	Providing and fixing butt hinges as described below, manufactured as per relevant IS for door & windows with necessary materials and labour costs etc. complete.C] Standard anodized aluminium hinges 100mm long							
		All doors - 30*3	90				90		
								90	No.s
107	R2-CS-HW-04-c-1	Providing and fixing butt hinges as described below, manufactured as per relevant IS for door & windows with necessary materials and labour costs etc. complete.C] Standard anodized aluminium hinges 75mm long							
		All clasroom cupboard - 10*4	40				40		
								40	No.s
108	R2-CS-HW-03-c	Providing and fixing door stopper as described below of approved make manufactured as described below and as per IS:1823- 1992 for doors with necessary materials and labour cost etc. complete.Stainless steel door stopper							
		All doors	20				20		
								20	No.s
O) RAIN WATER HARVESTING									
109	R2-HE-11-1	Providing and Placing Brick bats in layers with staggered joints for required depth etc. complete in all respect and as directed by the engineer							
			1	1.50	1.50	0.2	0.45		
							0.45		
								0.50	Rmt
110	R2-HE-11-2	Providing and Laying 40 mm (average) size metal/ aggregates in 15 cm thick layer conforming to IS 383 for required depth including screening, washing, cleaning of metal/ aggregates etc. complete in all respect and as directed by engineer.							
			1	1.50	1.50	0.10	0.225		
						Total	0.23	0.25	Cum.
111	R2-HE-11-3	Providing and Laying 40 mm (average) size metal/ aggregates in 15 cm thick layer conforming to IS 383 for required depth including screening, washing, cleaning of metal/ aggregates etc. complete in all respect and as directed by engineer.							

Sr. No.	Item Ref	Particulars	No.	L	B	D/H	Qty	Total Qty	Unit
		50% of total volume	1	1.50	1.50	0.10	0.23		
						Total	0.25		Cum.
						say	0.25	0.25	
112	R2-HE-11-4	Providing and Laying 4.75 mm to 12 mm (average) size, well graded natural sand in 15 cm thick layer for required depth including screening, washing, cleaning of sand etc. complete in all respect and as directed by engineer.							
		20% of total volume	1	1.50	1.50	0.10	0.23		
						Total	0.25		Cum.
						say	0.25	0.25	
113	R2-HE-11-5	Providing and Laying, Placing Coconut coir layers of 6 mm to 12 mm thick in between graded layers at required depth including 10 cm wide overlapping etc. complete in all respect as directed by engineer.							
		20% of total volume	1	1.50	1.50	0.10	0.23		
						Total	0.25		Cum.
						say	0.25	0.25	
114	R2-CS-PS-168-d	Providing and laying non-pressure NP2 class (light duty) 300 mm dia. R.C.C. pipe with collars jointed							
		Rain water harvesting line	1	70.00			70.00		Rmt
115	R2-HE-11-10	Providing and fixing factory made precast RCC perforated drain covers, having concrete of strength not less than M-25, of size 1000 x 450x50 mm reinforced with 8mm dia 4 nos longitudinal and 9 nos cross sectional T.M.T hoop bars including providing 50mm dia perforations @ 100 to 125 mm c/c including providing edge binding with M S flats of size 50mm x 1.6mm complete all as per direction of Engineer-in-charge.							
		RWH	1	15.00			15.00		NO

AR. BHOOSHAN KOTWAL