

**NAME OF WORK:- ESTIMATE FOR SITE DEVELOPMENT & RETAINING WALL OF HOSTEL BLOCK
FOR SARSWATI VIDYA MANDIR SCHOOL ,VIKAS NAGAR,DISTT. SHIMLA H.P**

Sr.No	Description of Item	Quantity		Rate		Amount
SH- Earth Work						
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth, 1.5m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth, lead up to 50m and lift up to 1.5m,as directed by Engineer-in-Charge.					
a)	All kinds of soil	1117.00	Cum			
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth, lead up to 50 m and lift up to 1.5m, as directed by Engineer-in-Charge.					
a)	Ordinary rock	333.00	Cum			
3	Excavating trenches of required width for pipes, cables, etc, including excavation for sockets, depth up to 1.5 m, including getting out the excavated materials, returning the soil as required in layers not exceeding 20 cm in depth, including consolidating each deposited layers by ramming, watering etc., stacking serviceable material for measurements and disposal of unserviceable material as directed, within a lead of 50m :					
a)	Ordinary rock :					
(i)	Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm dia.	200.00	M			
4	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.	600.00	Cum			
5	Extra for every additional lift of 1.5 m or part thereof in excavation /banking excavated or stacked materials.					
a)	All kinds of soil.	120.00	Cum			
b)	Ordinary or hard rock.	30.00	Cum			
6	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	22.00	Cum			
SH- Concrete Work						
7	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					
a)	1:5:10 (1 cement : 5 coarse sand(zone-III) : 10 graded stone aggregate 40 mm nominal size)	30.00	Cum			
8	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor, etc., up to floor five level, excluding the cost of centering, shuttering and finishing :					
a)	1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	30.00	Cum			

Sr.No	Description of Item	Quantity		Rate		Amount
9	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation leveling and dressing and finishing the top smooth.	120.00	Sqm			
	SH- Reinforced Cement Concrete					
10	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :					
a)	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size)	194.00	Cum			
11	Centering and shuttering including strutting, propping etc. and removal of form for :					
a)	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	1390.00	Sqm			
12	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level.					
a)	Thermo-Mechanically Treated bars of grade Fe-500 D or more.	27182.00	Kg			
13	Smooth finishing of the exposed surface of R.C.C. work with 6 mm thick cement mortar 1:3 (1 Cement : 3 fine sand)	800.00	Sqm			
				Total:		

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