

ESTIMATE FOR ANNEXY AT SCINDIA KANYA VIDYALAYA

S.No	Description	Quantity	Unit	Rate	Amount
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 dressing of sides and ramming of bottom disposal of excavated earth, lead up to 50m and lift up to 1.5m, disposed earth to be levelled and neatly dressed. (No extra lift is payable if work is done by mechanical means) All kinds of soil				
		40.5	CUM		
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth level :				
	M-10 Nominal (Mix -1 Cement : 3 sand : 6 graded stone aggregate)	13.3	CUM		
3	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding including cost of binding wire all wastages and overlaps, couplers (overlaps shall be provided as per requirement of IS 13920 for ductile detailing IS 456 RCC Design & SP 34 Reinforcement detailing) etc. complete .				
	Thermo-Mechanically Treated bars.FE 500 D or more conforming to IS 178	3834.84	KG		
4	Centering and shuttering in cluding strutting, propping etc. and removal of form for:				

	Foundations, footings, bases of columns, etc. for concrete upto plinth level	20.16	SQM		
	Suspended floors, roofs, landings, balconies and access platform	212	SQM		
	Lintels, beams, girders, bressumers and cantilevers	152	SQM		
	Columns, P i l l a r s , Piers, Abutments, Posts and Struts	105.84	SQM		
5	Providing and laying in position specified grade of reinforced cement concrete (with 20mm nominal size graded stone aggregate) excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :				
	M-20 Grade Concrete	15.06	CUM		
6	Random rubble masonry with hard stone in foundation and plinth including leveling up with cement concrete 1:6:12 (1 cement :6 sand : 12 graded stone aggregate 20mm nominal size) at plinth level with :				
	Cement mortar 1:6 (1 cement : 6 sand)	18	CUM		
7	Reinforced cement concrete work (with 20mm nominal size graded stone aggregate) in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, posts and struts etc. above plinth level and upto floor two level excluding cost of centering, shuttering, finishing and reinforcement:				
	M-20 Grade Concrete	6.624	CUM		

8	Brick work with well burnt chimney bricks in bulls patent trench kiln manufactured by ghol process ,crushing strength not less than 40kg /cm ² and water absorption not more than 15% in superstructure above plinth level and up to floor two level i/c curing etc. complete.				
	Cement mortar 1:6 (1 cement : 6 sand)				
	OUTER WALL	33.12	CUM		
9	Providing half brick masonry with well burnt chimney bricks in bull patent trench kiln manufactured by ghol process crushing strength not less than 40 kg /cm ² and water absorption not more than 15% in superstructure above plinth level and up to floor two level.				
	Cement mortar 1:4 (1 cement : 4 sand)				
	INNER wall	456	SQM		
10	Reinforced cement concrete work (with 20 mm nominal size graded stone aggregate)inbeams, suspended floors, roofs having slope of any degree landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiralstaircases above plinth level and upto floor two level excluding the cost of centering, shuttering, finishing and reinforcement in concrete grade				
	M-20 Grade Concrete	37.12	CUM		
11	12 mm cement plaster of mix :				
	1:6 (1 cement : 6 sand)	212	SQM		

12	15 mm cement plaster on the rough side of single or half brick wall of mix				
	1:6 (1 cement : 6 sand)	456	SQM		
13	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia and length (hold fast lugs or dash fastener shall be paid for separately)				
	Second class teak wood	0.88	CUM		
14	Providing and fixing 25mm thick PVC flush door shutters made out of a one piece Multi chamber extruded PVC section of the size of 762mmx25mm or less as per requirement with an average wall thickness of 1mm (± 0.3 mm). PVC foam end cap of size 23x10mm are provided on both vertical edges to ensure the overall thickness of 25mm. An M.S. tube having dimension 19mm x 19mm and 1.0 mm (± 0.1 mm) is inserted along the hinge side of the door. Core of the door shutter should be filled with High Density Polyurethane foam. The Top and Bottom edges of the shutter are covered with an end-cap of the size 25mmx11mm. Door shutter shall be reinforced with special polymeric reinforcements as per required specification and direction of Engineer-in-charge to take up necessary hardware and fixtures. Stickers indicating the locations of hardware will be pasted at appropriate places				

	4 gate	40.32	SQM		
15	Door Accessories				
	4 Gate	16	NOS		
16	Aluminium Window	25.28	SQM		
17	Providing and laying Antiskid floor tiles of any sizes, 12 mm thickness with water absorption less than 0.08% and conforming to IS:15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 sand) including grouting the joints with white cement with matching pigments etc., complete				
	for washroom	76.5	SQM		
18	Providing and fixing Ceramic glazed wall tiles 300x450 mm or more (having thickness 6 to 7 mm) of 1st quality conforming to IS: 15622 of approved make in all Colours& shades, except burgundy, bottle green, black laid on 12mm thick bed of Cement Mortar 1:3 (1 Cement: 3 sand)prepad same day when mortar is still green jointed with grey cement slurry @3.3 kg per sqm including pointing the joints with white cement and matching pigments etc., complete.				
	for washroom	230.4	SQM		

19	Providing and laying vitrified floor tiles Multi/Double charged (Minimum top layer thickness 2.0mm) Neno Polished self design, in different size with water absorption less than 0.05% and conforming to IS:15622 of approved make in all colours & shades, quality/ premium quality in flooring laid on 12mm thick cement mortar 1:4 (1 cement : 4 sand) including grouting the joints with white cement and matching pigments etc. complete				
	In light shade glossy/ rustic /stain finish				
	Size 600X600 mm thickness 9-10 mm	226	SQM		
20	Providing and applying white cement based putty of average thickness 1 mm, of approved brand over the plastered wall surface to prepare the surface even and smooth i/c all cost of material, labour and scaffold etc in all position complete.				
	SAME AS PLASTER	668	SQM		
21	Finishing walls by any mechanical or manual means with Acrylic Smooth exterior paint (Economy Exterior) of required shade including all scaffolding. New work (Two or more coat applied @ 1.67ltr/10sqm over and including one coat undiluted exterior waterproofing coating @ 2.39 litre/10 sqm with crack bridging ability of upto 0.5mm on horizontal surfaces with an elongation of 150% and waterproofing of upto 3 bars on vertical surfac				

	SAME AS PLASTER	668	SQM		
22	62 mm thick cement concrete flooring with concrete hardener topping, under layer 50 mm thick cement concrete 1:2:4 (1 cement: 2 sand: 4 graded stone aggregate 20mm nominal size) and top layer 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix: 2 graded stone aggregate, 6mm nominal size) by volume, hardening compound mixed @ 2 litre per 50kg of cement or as per manufactures specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete				
		106	SQM		
23	Demolishing cement concrete manually/by mechanical means including disposal of material within 50 metres lead as per direction of Engineer-in Charge				
	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix).	2.76	CUM		
24	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in- Charge.				
		8.28	CUM		
TOTAL CIVIL WORK					
ELECTRICAL AND PLUMBING WORK (29 % of Civil Work)					
NET TOTAL					
ADD 18% GST					
GRAND TOTAL					