

Detailed Estimate

OD/353/3361/117531/414233/00070784 : Expansion of school building at Primary school ,Putrupada
Block : Nuagada, Gram Panchayat : Putrupada
Created By:Prasant kumar mallick

1. Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure								
Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure having crushing strength not less than 75.00 Kg/cm ² with dimensional tolerance ± 8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Lw	3.000	12.600	0.230	0.550	0.000	4.782	-
ii	Sw	2.000	7.450	0.230	0.550	0.000	1.885	-
iii		1.000	4.550	0.230	0.550	0.000	0.576	-
iv	Stairs room	2.000	3.500	0.230	1.950	0.000	3.140	-
v		2.000	2.650	0.230	1.800	0.000	2.194	-
vi	Column	15.000	0.230	0.230	0.550	0.000	-	0.436
Total Quantity					12.1394 cum (cum)		12.1394 Cum (Cubic Meter)	
Amount					12.1394 X 5355.429968696		65011.71	
2. R.C.C. Work (AR0404Ac) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips								
Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty,taxes of all materials, labour and T&P required for the work etc. (including centring and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder & Bressmer etc)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall beam	3.000	12.600	0.230	0.230	0.000	2.000	-
ii		2.000	7.440	0.230	0.230	0.000	0.787	-

iii		1.000	7.440	0.230	0.230	0.000	0.394	-
iv	Hanging beam	2.000	5.000	0.230	0.300	0.000	0.690	-
v	Column	10.000	0.230	0.350	0.550	0.000	0.443	-
vi		5.000	0.230	0.230	0.550	0.000	0.145	-
Total Quantity					4.458573 cum (cum)		4.458573 Cum (Cubic Meter)	
Amount					4.458573 X 14790.256560627		65943.44	

3. R.C.C. Work (AR0404Ad) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips

Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty,taxes of all materials, labour and T&P required for the work etc. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Lintels)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Lw	3.000	12.600	0.230	0.150	0.000	1.304	-
ii	Sw	2.000	7.440	0.230	0.150	0.000	0.513	-
iii		1.000	7.440	0.230	0.150	0.000	0.257	-
Total Quantity					2.07414 cum (cum)		2.07414 Cum (Cubic Meter)	
Amount					2.07414 X 13400.555472184		27794.63	

4. R.C.C. Work (AR0404Ag) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips

Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty,taxes of all materials, labour and T&P required for the work etc. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Slab	1.000	13.000	7.450	0.120	0.000	11.622	-
ii	Stairs room	1.000	3.050	1.200	0.120	0.000	0.439	-

iii		1.000	3.050	1.200	0.120	0.000	0.439	-
Total Quantity					12.5004 cum (cum)		12.5004 Cum (Cubic Meter)	
Amount					12.5004 X 13038.309395589		162984.08	
5. R.C.C. Work (AR0404Af) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips								
Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty,taxes of all materials, labour and T&P required for the work etc. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Sun sheds & Chajja)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Windows	6.000	1.500	0.500	0.100	0.000	0.450	-
ii		1.000	6.700	0.500	0.100	0.000	0.335	-
Total Quantity					0.785 Sqm (Sqm)		0.785 Sqm (Square Meter)	
Amount					0.785 X 1129.8703778839		886.95	
6. Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal								
Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal including laying in layers not exceeding 300 mm in depth, ramming, compacting to proper thickness, watering and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Flooring	2.000	5.950	4.550	0.100	0.000	5.415	-
Total Quantity					5.4145 cum (cum)		5.4145 Cum (Cubic Meter)	
Amount					5.4145 X 5472.45120722		29630.59	
7. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed								
Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T & P required for the work etc. complete and as per direction of Engineer-in charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Flooring	2.000	5.950	4.550	0.150	0.000	8.122	-

Total Quantity				8.12175 cum (cum)			8.12175 Cum (Cubic Meter)	
Amount				8.12175 X 1151.403232			9351.41	
8. Plastering (AR1017i) : 20mm thick cement Plaster in CM (1:4) over masonry work in outside								
20mm thick cement Plaster in CM (1:4) over stone work in outside including racking out joints finishing smooth with proper plumb and line, curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc comp.and as per direction of Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Slab	1.000	13.000	7.450	0.000	0.000	96.850	-
Total Quantity				96.85 Sqm (Sqm)			96.85 Sqm (Square Meter)	
Amount				96.85 X 280.0600456592			27123.82	
9. Plastering (AR1008i) : 20mm thick cement Plaster in CM (1:6) over stone work in outside (Outside)								
20mm thick cement Plaster in CM (1:6) over stone work in outside including racking out joints finishing smooth with proper plumb and line, curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc comp.and as per direction of Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Veranda	2.000	12.700	0.300	0.000	0.000	7.620	-
ii		2.000	7.450	0.300	0.000	0.000	4.470	-
Total Quantity				12.09 Sqm (Sqm)			12.09 Sqm (Square Meter)	
Amount				12.09 X 267.389160026			3232.73	
10. Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside.								
16mm thick cement Plaster in CM (1:6) over brick work in inside including racking out joints finishing smooth with proper plumb and line, curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc comp.and as per direction of Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Inside	2.000	5.950	3.050	0.000	0.000	36.295	-
ii		2.000	4.550	3.050	0.000	0.000	27.755	-
iii	Door	1.000	1.200	2.100	0.500	0.000	-	1.260

iv	Window	2.000	1.200	1.200	0.500	0.000	-	1.440
Total Quantity					61.35 Sqm (Sqm)		61.35 Sqm (Square Meter)	
Amount					61.35 X 253.898039374		15576.64	
11. R.C.C. Work (AR0409) : Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position								
Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position including cost of binding wire 18 to 20 gauge with cost of steel rod and as per drawing, design, and direction of Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Slab	0.000	12.500	0.000	0.000	1.000	12.500	-
ii	Lintel	0.000	2.070	0.000	0.000	1.000	2.070	-
iii	Chaja	0.000	0.785	0.000	0.000	0.050	0.039	-
iv	Column & wall Beam	0.000	4.450	0.000	0.000	1.000	4.450	-
Total Quantity					19.05925 Qntl (Quintal)		19.05925 Qntl (Quintal)	
Amount					19.05925 X 8435.4021633		160772.44	
12. Roofing (AR1132i) : Supplying, feeting & fixing of G.C.I. Sheet (0.40mm thick) in roof drilling hole in wind ties								
Supplying, fitting & fixing of G.C.I. Sheet (0.40mm thick) in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. including cost of fitting, Labour and material etc. complete as per direction of Engineer-in-Charge								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Head room	1.000	3.650	2.860	0.000	0.000	10.439	-
Total Quantity					10.439 Sqm (Sqm)		10.439 Sqm (Square Meter)	
Amount					10.439 X 539.43353905832		5631.15	
13. Iron Work (AR1704) : Iron Doors and windows fixing								
Supplying, fitting & fixing of Mild steel and put up for frames & shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T & P required for the work etc. as per direction of Engineer-in-charge.								

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Windows	1.000	1.200	0.000	1.200	48.420	69.725	-
Total Quantity					69.7248 Kg (Kilo Gram)		0.697248 Qntl (Quintal)	
Amount					0.697248 X 15777.880053087		11001.10	
Total Amount							584940.68	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @							5000.00	
Provision for Contingency (+) @							6000.00	
Display Citizen Board (+) @							4000.00	
Any Other Lumpsum (+) @							59.32	
Provision for survey investigation and quality control (+) @								
Total Addition							15059.32	
Grand Net Total Amount							600000.00	

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JE
Nuagada Block

Pradiumna kumar dash
AEE
Nuagada Block

Loknath Sabar
BDO
Nuagada Block