

Detailed Estimate

OD/355/3389/118118/397873/00015446 : Provision of Facility Centre at Alla GP Hqrs

Block : Jagatsinghpur, Gram Panchayat : Alla

Created By: Sushanta Kumar Sethy

1. R.C.C. Work (AR0404A) : First floor								
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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	12.000	0.380	0.250	2.800	0.000	3.192	-
ii	Lintel bend l/w	3.000	9.750	0.250	0.150	0.000	1.097	-
iii	s/w	2.000	8.100	0.250	0.150	0.000	0.608	-
iv		1.000	5.200	0.250	0.150	0.000	0.195	-
v		1.000	3.050	0.120	0.150	0.000	0.055	-
vi		1.000	2.600	0.250	0.150	0.000	0.098	-
vii	Chajja	4.000	1.500	0.600	0.060	0.000	0.216	-
viii	Landing	1.000	2.600	1.200	0.100	0.000	0.312	-
ix	Waist slab	1.000	3.050	1.200	0.100	0.000	0.366	-
x		1.000	2.650	1.200	0.100	0.000	0.318	-
xi	step	21.000	1.200	0.250	0.150	0.500	0.473	-
xii	Wall beam l/w	3.000	9.750	0.250	0.300	0.000	2.194	-
xiii	s/w	4.000	5.200	0.250	0.300	0.000	1.560	-
xiv		4.000	3.650	0.250	0.300	0.000	1.095	-
xv		1.000	3.050	0.250	0.300	0.000	0.229	-

xvi	Slab Hall, Toilet	1.000	10.050	5.900	0.120	0.000	7.115	-
xvii	Open space	1.000	6.250	2.850	0.120	0.000	2.138	-
xviii	Balcony	1.000	10.050	1.090	0.120	0.000	1.315	-
xix	Staircase	1.000	4.100	2.850	0.120	0.000	1.402	-
Total Quantity					23.975415 cum (cum)		23.975415 Cum (Cubic Meter)	
Amount					23.975415 X 6772.5735916356		162375.26	

2. R.C.C. Work (AR0409) : First floor

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	25.850	0.000	0.000	0.000	25.850	-
Total Quantity					25.85 Qntl (Quintal)		25.85 Qntl (Quintal)	
Amount					25.85 X 8450.2324276		218438.51	

3. R.C.C. Work (AR0410d) : First floor

Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. beams, column, grider and bressmer, etc. Data for 4.2sqm

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	24.000	0.380	0.000	2.800	0.000	25.536	-
ii		24.000	0.250	0.000	2.800	0.000	16.800	-
iii	Wall beam l/w	6.000	9.750	0.000	0.300	0.000	17.550	-
iv	s/w	8.000	5.200	0.000	0.300	0.000	12.480	-
v		8.000	3.650	0.000	0.300	0.000	8.760	-
vi		2.000	3.050	0.000	0.300	0.000	1.830	-

Total Quantity	82.956 Sqm (Sqm)	82.956 Sqm (Square Meter)
Amount	82.956 X 1256.858751656	104263.97

4. R.C.C. Work (AR0410e) : First floor

Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. Lintels Data for 7.8 sqm

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Lintel bend l/w	6.000	9.750	0.000	0.150	0.000	8.775	-
ii	s/w	4.000	8.100	0.000	0.150	0.000	4.860	-
iii		2.000	5.200	0.000	0.150	0.000	1.560	-
iv		2.000	3.050	0.000	0.150	0.000	0.915	-
v		2.000	2.600	0.000	0.150	0.000	0.780	-

Total Quantity	16.89 Sqm (Sqm)	16.89 Sqm (Square Meter)
Amount	16.89 X 598.98320701754	10116.83

5. R.C.C. Work (AR0410a) : First floor

Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Slab Hall,Toilet	1.000	9.300	5.400	0.000	0.000	50.220	-
ii	Openspace	1.000	5.750	2.350	0.000	0.000	13.513	-
iii	Balcony	1.000	10.050	1.090	0.000	0.000	10.955	-
iv	Staircase	1.000	3.850	2.600	0.000	0.000	10.010	-
v	Kanish	2.000	10.050	0.000	0.120	0.000	2.412	-
vi		2.000	9.850	0.000	0.120	0.000	2.364	-

vii		1.000	3.700	0.000	0.120	0.000	0.444	-
viii		1.000	2.600	0.000	0.120	0.000	0.312	-
ix	Chajja	4.000	1.500	0.600	0.000	0.000	3.600	-
x	Landing	1.000	2.600	1.200	0.000	0.000	3.120	-
xi	Waist slab	1.000	3.050	1.200	0.000	0.000	3.660	-
xii		1.000	2.650	1.200	0.000	0.000	3.180	-
Total Quantity					103.789 Sqm (Sqm)		103.789 Sqm (Square Meter)	
Amount					103.789 X 795.2279320416		82535.91	

6. Masonry Brick Work (AR0603bi) : First floor

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/cm² 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Hall l/w	2.000	9.750	0.250	2.800	0.000	13.650	-
ii	s/w	2.000	8.350	0.250	2.800	0.000	11.690	-
iii		1.000	5.200	0.250	2.800	0.000	3.640	-
iv		1.000	3.050	0.120	2.800	0.000	1.025	-
v		1.000	3.700	0.250	2.800	0.000	2.590	-
vi		1.000	2.600	0.250	2.800	0.000	1.820	-
vii		2.000	2.600	0.250	2.100	0.000	2.730	-
viii		2.000	3.700	0.250	2.100	0.000	3.885	-
ix	Balcony	1.000	11.400	0.120	0.900	0.000	1.231	-
x	Door	1.000	1.200	0.250	2.100	0.000	-	0.630

xi	D1	2.000	0.750	0.250	2.100	0.000	-	0.788	
xii	D2	1.000	0.900	0.250	2.100	0.000	-	0.473	
xiii	Window	4.000	1.200	0.250	1.350	0.000	-	1.620	
xiv		1.000	0.750	0.250	1.500	0.000	-	0.281	
xv	Column	12.000	0.380	0.250	2.800	0.000	-	3.192	
xvi	V	2.000	0.600	0.250	0.600	0.000	-	0.180	
Total Quantity					35.09775 cum (cum)		35.09775 Cum (Cubic Meter)		
Amount					35.09775 X 5298.452092104		185963.75		

7. Plastering (AR1004) : First Floor

12mm thick cement plster (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	l/w	1.000	9.750	3.450	0.000	0.000	33.638	-	
ii	s/w	2.000	8.350	3.450	0.000	0.000	57.615	-	
iii	Balcony	1.000	11.400	0.900	0.000	0.000	10.260	-	
iv	Door	1.000	1.200	2.100	0.000	0.000	-	2.520	
v	D1	2.000	0.750	2.100	0.000	0.000	-	3.150	
vi	D2	1.000	0.900	2.100	0.000	0.000	-	1.890	
vii	Window	4.000	1.200	1.350	0.000	0.000	-	6.480	
viii		1.000	0.750	1.500	0.000	0.000	-	1.125	
ix	V	2.000	0.600	0.600	0.000	0.000	-	0.720	
Total Quantity					85.6275 Sqm (Sqm)		85.6275 Sqm (Square Meter)		

Amount	85.6275 X 172.5535535856	14775.33
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8. Plastering (AR1014) : First Floor

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	Hall	2.000	11.150	0.000	3.200	0.000	71.360	-
ii	Toilet	4.000	5.600	0.000	3.200	0.000	71.680	-
iii	Open space	2.000	8.200	0.000	3.200	0.000	52.480	-
iv	Staircase	2.000	6.300	0.000	5.300	0.000	66.780	-
v	Door	1.000	1.200	0.000	2.100	0.000	-	2.520
vi	D1	2.000	0.750	0.000	2.100	0.000	-	3.150
vii		1.000	0.900	0.000	2.100	0.000	-	1.890
viii	Window	4.000	1.200	0.000	1.350	0.000	-	6.480
ix		1.000	0.750	0.000	1.500	0.000	-	1.125
x		1.000	5.600	0.000	3.200	0.000	-	17.920
xi	V	2.000	0.600	0.000	0.600	0.000	-	0.720
Total Quantity					228.495 Sqm (Sqm)		228.495 Sqm (Square Meter)	
Amount					228.495 X 248.555068876		56793.59	

9. 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
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i	Shutters of Door and window	1.000	544.910	0.000	0.000	0.000	544.910	-
Total Quantity					544.91 Kg (Kilo Gram)		5.4491 Qntl (Quintal)	
Amount					5.4491 X 15764.314339087		85901.33	
10. Painting (AR0901di) : First Floor								
Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Quantity same as item no-7	1.000	85.628	0.000	0.000	0.000	85.628	-
Total Quantity					85.6275 Sqm (Sqm)		85.6275 Sqm (Square Meter)	
Amount					85.6275 X 75.76557472129		6487.62	
11. Painting (AR0901d) : First Floor								
Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Quantity same as item no-8	1.000	228.495	0.000	0.000	0.000	228.495	-
Total Quantity					228.495 Sqm (Sqm)		228.495 Sqm (Square Meter)	
Amount					228.495 X 73.582069974671		16813.14	
12. Plastering (AR1017) : First Floor								
20mm thick cement Plaster in CM (1:4) over stone 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	Slab	1.000	10.050	9.850	0.000	0.000	98.993	-
Total Quantity					98.9925 Sqm (Sqm)		98.9925 Sqm (Square Meter)	
Amount					98.9925 X 272.4970830008		26975.17	
13. Painting (AR0918f) : First Floor								
Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Quantity same as item no-7	1.000	85.628	0.000	0.000	0.000	85.628	-
Total Quantity					85.6275 Sqm (Sqm)		85.6275 Sqm (Square Meter)	
Amount					85.6275 X 91.0277990875		7794.48	
14. Painting (AR0903b) : First Floor								
Painting two coats of enamel paint with a coat of red oxide primer over iron surface including all costs of labour, Paint, Primer, brushes and putty 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	Door	1.000	1.200	0.000	2.100	2.250	5.670	-
ii	D1	2.000	0.750	0.000	2.100	2.250	7.088	-
iii	D2	1.000	0.900	0.000	2.100	2.250	4.253	-
iv	Window	4.000	1.200	0.000	1.350	2.750	17.820	-
Total Quantity					34.83 Sqm (Sqm)		34.83 Sqm (Square Meter)	
Amount					34.83 X 236.24120670762		8228.28	

Total Amount	987463.16
Addition	
Provision for PH Work (+) @	0.00
Provision for EI Work (+) @	
Provision for Contingency (+) @	10000.00
Display Citizen Board (+) @	2536.00
Any Other Lumpsum (+) @	
Provision for survey investigation and quality control (+) @	
Total Addition	12536.00
Grand Net Total Amount	999999.16

Sushanta Kumar Sethy
JE
Jagatsinghpur Block

Sri Susanta Kumar Rout
AEE
Jagatsinghpur Block

Sri Ashutosh Mishra
BDO
Jagatsinghpur Block