

Detailed Estimate

OD/363/3471/275152/429992/00015472 : Provision of Facility Centre at Marichamal GP Hqrs

Block : Koraput, Gram Panchayat : M Arichmal

Created By:SWARNAPRAVA MOHANTY

1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift									
Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge									
Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	col	9.000	1.200	1.200	1.200	0.000	15.552	-	
ii	lw	2.000	7.080	0.750	0.750	0.000	7.965	-	
iii	sw	1.000	3.830	0.750	0.750	0.000	2.154	-	
iv	cw	1.000	7.900	0.750	0.750	0.000	4.444	-	
v	col	9.000	1.200	0.750	0.750	0.000	-	6.075	
Total Quantity					24.040125 cum (cum)		24.040125 Cum (Cubic Meter)		
Amount					24.040125 X 240.77592		5788.28		
2. 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.									
Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	col	9.000	1.200	1.200	0.150	0.000	1.944	-	
ii	lw	2.000	7.080	0.750	0.100	0.000	1.062	-	
iii	sw	1.000	3.830	0.750	0.100	0.000	0.287	-	
iv	cw	1.000	7.900	0.900	0.100	0.000	0.711	-	
v	room	1.000	6.100	4.350	0.450	0.000	11.941	-	

vi	col	9.000	1.200	0.750	0.150	0.000	-	1.215
vii	toi	2.000	1.300	1.400	0.450	0.000	1.638	-
Total Quantity					16.368 cum (cum)		16.368 Cum (Cubic Meter)	
Amount					16.368 X 1144.434232		18732.10	
3. Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal								
Cement concrete (1:3:6) with 4 cm. hard granite(Crusher 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	col	9.000	1.200	1.200	0.150	0.000	1.944	-
ii	lw	2.000	7.080	0.750	0.150	0.000	1.593	-
iii	sw	1.000	3.830	0.750	0.150	0.000	0.431	-
iv	sw	1.000	7.900	0.750	0.150	0.000	0.889	-
v	toi	2.000	2.900	0.750	0.150	0.000	0.653	-
vi	step	1.000	2.900	1.300	0.100	0.000	0.377	-
vii	s	1.000	1.500	1.300	0.100	0.000	0.195	-
viii	col	9.000	1.200	0.750	0.150	0.000	-	1.215
ix	pp	1.000	11.000	0.900	0.100	0.000	0.990	-
x	room	1.000	6.100	4.350	0.100	0.000	2.654	-
xi	toi	2.000	1.150	1.300	0.100	0.000	0.299	-
Total Quantity					8.808625 cum (cum)		8.808625 Cum (Cubic Meter)	
Amount					8.808625 X 5579.8137103		49150.49	
4. Masonry Stone Work (AR0703) : Random rubble H.G. stone of masonry.								

Random rubble H.G. stone of size not less than 0.0025 cum stacked masonry in cement mortar (1:6) in foundation and plinth including watering, curing for seven days 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	lw	2.000	6.930	0.600	0.450	0.000	3.742	-
ii	sw	1.000	3.980	0.600	0.450	0.000	1.075	-
iii	cw	1.000	7.900	0.600	0.450	0.000	2.133	-
iv	plinth lw	2.000	6.780	0.450	0.600	0.000	3.661	-
v	sw	1.000	4.130	0.450	0.600	0.000	1.115	-
vi	cw	1.000	7.900	0.450	0.600	0.000	2.133	-
vii	col	9.000	0.350	0.230	0.750	0.000	-	0.543
viii	col	9.000	0.625	0.625	0.150	0.000	-	0.527
Total Quantity					12.78838125 cum (cum)		12.78838125 Cum (Cubic Meter)	
Amount					12.78838125 X 4338.448513477		55481.73	

5. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	rod	1.000	12.000	0.000	0.000	0.000	12.000	-
Total Quantity					12 Qntl (Quintal)		12 Qntl (Quintal)	
Amount					12 X 8448.6840774		101384.21	

6. Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside

12mm thick cement plaster (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	outside lw	2.000	6.330	3.100	0.000	0.000	39.246	-
ii	sw	2.000	4.810	3.100	0.000	0.000	29.822	-
iii	pillar	1.000	3.150	3.100	0.000	0.000	9.765	-
iv	ver	2.000	1.160	1.300	0.000	0.000	3.016	-
v	w	3.000	1.100	1.100	0.000	0.000	-	3.630
Total Quantity					78.219 Sqm (Sqm)		78.219 Sqm (Square Meter)	
Amount					78.219 X 176.508030866		13806.28	

7. 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 lw	2.000	6.100	3.100	0.000	0.000	37.820	-
ii	sw	1.000	4.350	3.100	0.000	0.000	13.485	-
iii	cw	4.000	1.300	1.300	0.000	0.000	6.760	-
iv	cw	4.000	1.150	1.300	0.000	0.000	5.980	-
v	d	2.000	0.750	1.800	0.000	0.000	-	2.700
vi	w	3.000	1.100	1.100	0.000	0.000	-	3.630
Total Quantity					57.715 Sqm (Sqm)		57.715 Sqm (Square Meter)	
Amount					57.715 X 252.09177921		14549.48	

8. R.C.C. Work (AR0404Ab) : 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 Plinth band)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	lw	2.000	6.560	0.230	0.230	0.000	0.694	-
ii	sw	1.000	7.900	0.230	0.230	0.000	0.418	-
iii	cw	1.000	4.350	0.230	0.230	0.000	0.230	-
Total Quantity					1.342073 cum (cum)		1.342073 Cum (Cubic Meter)	
Amount					1.342073 X 6911.2323695832		9275.38	

9. 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	col	9.000	0.230	0.230	0.800	0.000	0.381	-
ii	col	9.000	0.230	0.230	2.750	0.000	1.309	-
iii	beam	2.000	6.560	0.230	0.150	0.000	0.453	-
iv	sw	1.000	4.350	0.230	0.150	0.000	0.150	-
v	cw	2.000	4.350	0.230	0.300	0.000	0.600	-
vi	b	1.000	7.060	0.230	0.150	0.000	0.244	-
Total Quantity					3.13674 cum (cum)		3.13674 Cum (Cubic Meter)	
Amount					3.13674 X 14240.602015659		44669.07	

10. 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	chajja	3.000	1.200	0.450	0.063	0.000	0.101	-
ii	slab	1.000	6.600	5.110	0.100	0.000	3.373	-
iii	slab	1.000	3.400	1.800	0.100	0.000	0.612	-
iv	slab	1.000	3.000	1.500	0.075	0.000	0.338	-
v	slab	1.000	2.400	2.400	0.075	0.000	0.432	-
Total Quantity					4.85535 cum (cum)		4.85535 Cum (Cubic Meter)	
Amount					4.85535 X 12425.30619412		60329.21	

11. R.C.C. Work (AR0404Aa) : 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 foundation, footing bases of column, mass concrete, pre-cast slabs etc.)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	col sub structure	9.000	1.200	1.200	0.200	0.000	2.592	-
ii	coil	9.000	0.625	0.625	0.450	0.000	1.582	-
Total Quantity					4.17403125 cum (cum)		4.17403125 Cum (Cubic Meter)	
Amount					4.17403125 X 6117.8004620687		25535.89	

12. 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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	lintel	2.000	6.560	0.230	0.150	0.000	0.453	-
ii	lintel	1.000	7.900	0.230	0.150	0.000	0.273	-
iii	sw	1.000	4.350	0.230	0.150	0.000	0.150	-
Total Quantity					0.875265 cum (cum)		0.875265 Cum (Cubic Meter)	
Amount					0.875265 X 12828.998637564		11228.77	

13. Concrete (AR0317) : 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips

2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete as per specifaion and direction of Engineer-in charge. (new work)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	slab	1.000	6.600	5.110	0.000	0.000	33.726	-
Total Quantity					33.726 Sqm (Sqm)		33.726 Sqm (Square Meter)	
Amount					33.726 X 356.428645086		12020.91	

14. Masonry Brick Work (AR0603ci) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure

Brickwork with Flyash Bricks of size (23cm x 11cm 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	lw	2.000	6.560	0.230	2.800	0.000	8.449	-
ii	sw	1.000	4.350	0.230	2.800	0.000	2.801	-
iii	cw	1.000	7.900	0.230	2.800	0.000	5.088	-

iv	parapet	5.000	3.600	0.230	0.230	0.000	0.952	-	
v	step	4.000	1.350	0.450	0.450	0.000	1.094	-	
vi	col	9.000	0.230	0.230	2.800	0.000	-	1.333	
vii	d	2.000	0.750	0.230	1.800	0.000	-	0.621	
viii	w	3.000	1.100	0.230	1.100	0.000	-	0.835	
Total Quantity					15.595 cum (cum)		15.595 Cum (Cubic Meter)		
Amount					15.595 X 5162.69796544		80512.27		

15. Plastering (AR1017) : 20mm thick cement Plaster in CM (1:4) over brick work in inside.

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	p	2.000	6.780	0.600	0.000	0.000	8.136	-	
ii	p	1.000	5.010	0.600	0.000	0.000	3.006	-	
Total Quantity					11.142 Sqm (Sqm)		11.142 Sqm (Square Meter)		
Amount					11.142 X 277.015940888		3086.51		

16. Other Building Items. (AR1901B) : Vitrified Tile 600mmx600mm Plain Ivory

Supplying, fitting & fixing Vitrified Tile 600mmx600mm Plain Ivory in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all materials, taxes, labour, T&P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	room	1.000	6.100	4.350	1.000	1.000	26.535	-
ii	room	2.000	6.100	0.150	0.000	0.000	1.830	-
iii	room	2.000	4.350	0.150	0.000	0.000	1.305	-

Total Quantity	29.67 Sqm (Sqm)	29.67 Sqm (Square Meter)
Amount	29.67 X 1017.625906121	30192.96

17. Flooring (AR0817a) : Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755)

Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	toi	2.000	1.150	1.300	0.000	0.000	2.990	-
ii	toi	4.000	1.300	1.800	0.000	0.000	9.360	-
iii	toi	3.000	1.400	1.800	0.000	0.000	7.560	-
Total Quantity					19.91 Sqm (Sqm)		19.91 Sqm (Square Meter)	
Amount					19.91 X 1332.894628116		26537.93	

18. Flooring (AR0817b) : Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753)

Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in wall cladding on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	toi	4.000	1.150	1.800	0.000	0.000	8.280	-
ii	toi	4.000	1.300	1.800	0.000	0.000	9.360	-
iii	hall	2.000	6.100	0.100	0.000	0.000	1.220	-
iv	hall	1.000	4.350	0.100	0.000	0.000	0.435	-
v	d	2.000	0.750	1.800	0.000	0.000	2.700	-
Total Quantity					21.995 Sqm (Sqm)		21.995 Sqm (Square Meter)	

Amount						21.995 X 885.969628116	19486.90	
19. Other Building Items. (AR1902) : cement based wall putty (water based)								
Finishing surface of walls with cement based wall putty (water based) of approved make and finished smooth and even surface to receive painting including cost of scaffolding staging charges with cost of all materials taxes,labour,T&P,etc.complete. and as per the direction of Engineer in Charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	plinth	1.000	11.142	1.000	1.000	1.000	11.142	-
ii	16 mm	1.000	57.720	1.000	1.000	1.000	57.720	-
iii	12mm	1.000	78.219	1.000	1.000	1.000	78.219	-
iv	ceiling	1.000	29.525	1.000	1.000	1.000	29.525	-
v	as per bill	1.000	757.400	1.000	0.000	0.000	757.400	-
Total Quantity					934.006 Sqm (Sqm)		934.006 Sqm (Square Meter)	
Amount						934.006 X 79.21834	73990.40	
20. Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside)								
Finishing wall two coats with plastic emulsion paint of approved shades on new work to give an even shade including all costs of labor, Paint and Brushes required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	e	1.000	757.400	1.000	1.000	1.000	757.400	-
Total Quantity					757.4 Sqm (Sqm)		757.4 Sqm (Square Meter)	
Amount						757.4 X 94.7676397125	71777.01	
21. Painting (AR0901a) : Priming one coat in inner surface with primer of approved quality over woodwork								
Priming one coat in inner surface with primer of approved quality over woodwork 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	w	2.000	4.350	3.000	0.000	0.000	26.100	-
ii	w	2.000	6.100	3.000	0.000	0.000	36.600	-
iii	toi	4.000	1.300	1.000	0.000	0.000	5.200	-
iv	t	4.000	1.150	1.000	0.000	0.000	4.600	-
v	d	2.000	1.200	2.100	0.000	0.000	-	5.040
vi	w	14.000	1.200	1.200	0.000	0.000	-	20.160
vii	outside	1.000	4.900	3.600	0.000	0.000	17.640	-
viii	out	2.000	6.300	3.600	0.000	0.000	45.360	-
ix	in	1.000	11.300	3.200	0.000	0.000	36.160	-
x	in	1.000	10.150	3.200	0.000	0.000	32.480	-
xi	in	1.000	3.300	3.200	0.000	0.000	10.560	-
xii	in	4.000	4.500	3.000	0.000	0.000	54.000	-
xiii	in	6.300	1.000	3.000	0.000	0.000	18.900	-
xiv	outside	1.000	72.000	6.500	0.000	0.000	468.000	-
xv	in	3.000	3.000	3.000	0.000	0.000	27.000	-
Total Quantity					757.4 Sqm (Sqm)		757.4 Sqm (Square Meter)	
Amount					757.4 X 70.09444766621		53089.53	
22. miscellaneous (ARM105) : Labour for fitting and fixing of M.S. window grills including cost of screws complete. (Iron works) and as directed by Engineer-in-Charge.								
Labour for fitting and fixing of M.S. window grills including cost of screws complete. (Iron works) and as directed by Engineer-in-Charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	d	2.000	1.200	2.100	0.000	0.000	5.040	-
ii	w	11.000	1.200	1.200	0.000	0.000	15.840	-

iii	w	3.000	1.200	1.200	0.000	0.000	4.320	-
Total Quantity					25.2 Sqm (Sqm)		25.2 Sqm (Square Meter)	
Amount					25.2 X 16.22		408.74	
23. Painting (AR0903i) : Painting two coats of enamel paint in outer surface paint (outer surface)								
Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes 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	d	4.000	1.200	2.100	0.000	2.250	22.680	-
ii	w	3.000	1.200	1.200	0.000	2.750	11.880	-
iii	w	11.000	1.200	1.200	0.000	2.750	43.560	-
Total Quantity					78.12 Sqm (Sqm)		78.12 Sqm (Square Meter)	
Amount					78.12 X 164.22001277702		12828.87	
Total Amount							793862.94	
Addition								
Provision for PH Work (+) @							62000.00	
Provision for EI Work (+) @							45000.00	
Provision for Contingency (+) @							10000.00	
Display Citizen Board (+) @							5000.00	
Any Other Lumpsum (+) @							84136.00	
Provision for survey investigation and quality control (+) @								
Total Addition							206136.00	
Grand Net Total Amount							999998.94	

SWARNAPRAVA MOHANTY
JE
Koraput Block

PHAKIR MOHAN PRADHAN
AEE
Koraput Block

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