

Detailed Estimate

OD/345/3287/115837/420999/00062598 : PROVISION OF FASCILITY CENTER AT PANDRIJORE GP
Block : Belpara, Gram Panchayat : Pandrijore
Created By: Ananta Prasad Bidika

1. 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	Column	9.000	4.000	4.000	0.500	0.028	2.038	-
ii	Wall	1.000	126.330	2.500	0.500	0.028	4.469	-
iii	septic tank	1.000	7.000	7.000	0.500	0.028	0.693	-
iv	Plinth filling inside building	1.000	26.000	22.000	1.660	0.028	26.871	-
Total Quantity					34.07128975 cum (cum)		34.07128975 Cum (Cubic Meter)	
Amount					34.07128975 X 569.423052		19400.98	
2. 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								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	9.000	4.000	4.000	4.000	0.028	16.301	-
ii	Wall	1.000	126.250	2.500	2.000	0.028	17.864	-
iii	septic tank	1.000	7.000	7.000	6.000	0.028	8.320	-
Total Quantity					42.485375 cum (cum)		42.485375 Cum (Cubic Meter)	
Amount					42.485375 X 240.77592		10229.46	

3. Concrete (AR0304a) : Cement concrete (1:4:8) with 4 cm. hard granite(Hand Broken) metal

Cement concrete (1:4:8) 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	Column	9.000	4.000	4.000	0.500	0.028	2.038	-
ii	wall	1.000	126.250	2.000	0.500	0.028	3.573	-
iii	Septic tank	1.000	7.000	7.000	0.330	0.028	0.458	-
iv	Inside building	1.000	26.000	22.000	0.330	0.028	5.342	-
Total Quantity					11.409994 cum (cum)		11.409994 Cum (Cubic Meter)	
Amount					11.409994 X 4537.76976148		51775.93	

4. Masonry Brick Work (AR0603c) : Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth

Brickwork with Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth 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	Total wall 1st layer	1.000	126.250	2.500	1.500	0.028	13.398	-
ii	wall 2nd layer	1.000	126.250	1.500	1.500	0.028	8.039	-
iii	septic tank	2.000	10.000	0.750	5.000	0.028	2.123	-
iv		0.000	0.000	0.000	0.000	0.000	1.000	-
Total Quantity					24.55975 cum (cum)		24.55975 Cum (Cubic Meter)	
Amount					24.55975 X 4990.245536448		122559.18	

5. 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/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	Total wall	1.000	126.250	0.750	9.000	0.028	24.117	-	
ii	toilet wall	2.000	6.000	0.420	9.000	0.028	1.284	-	
iii	Colulmn	9.000	1.160	0.830	9.000	0.028	-	2.207	
iv	Door	1.000	3.000	0.750	7.000	0.028	-	0.446	
v	Door	4.000	2.500	0.750	7.000	0.028	-	1.486	
vi	Window	4.000	4.000	0.750	4.000	0.028	-	1.358	
Total Quantity					19.90369281 cum (cum)		19.90369281 Cum (Cubic Meter)		
Amount					19.90369281 X 5036.384861448		100242.66		

6. 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.)

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	COLUMN	9.000	4.000	4.000	1.000	0.028	4.075	-	
ii	COLUMN BASE	9.000	2.000	2.000	1.000	0.028	1.019	-	
Total Quantity					5.094 cum (cum)		5.094 Cum (Cubic Meter)		
Amount					5.094 X 5572.9656835227		28388.69		

7. 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	grade beam	1.000	126.250	1.000	0.830	0.026	2.707	-
Total Quantity					2.706661125 cum (cum)		2.706661125 Cum (Cubic Meter)	
Amount					2.706661125 X 6349.8154146813		17186.80	

8. 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	column	9.000	1.250	0.830	9.000	0.028	2.378	-
ii	main beam	1.000	13.830	0.750	1.000	0.028	0.294	-
iii	main beam	1.000	11.830	0.750	1.000	0.028	0.251	-
Total Quantity					2.92289475 cum (cum)		2.92289475 Cum (Cubic Meter)	
Amount					2.92289475 X 13654.499497172		39910.66	

9. 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	1.000	126.250	0.750	0.500	0.028	1.340	-
ii	front chajja	1.000	28.500	2.000	0.250	0.028	0.403	-
iii	window chajja	2.000	5.000	2.000	0.250	0.028	0.142	-
Total Quantity					1.884603125 cum (cum)		1.884603125 Cum (Cubic Meter)	
Amount					1.884603125 X 12270.581057973		23125.18	

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	roof slab	1.000	30.000	26.000	0.420	0.028	9.271	-
ii	septic tank slab	1.000	7.000	7.000	0.330	0.028	0.458	-
Total Quantity					9.728691 cum (cum)		9.728691 Cum (Cubic Meter)	
Amount					9.728691 X 11903.897604659		115809.34	

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	column, plinth bend,lintel wall beam slab	20.500	0.000	0.000	0.000	0.000	20.500	-
Total Quantity					20.5 Qntl (Quintal)		20.5 Qntl (Quintal)	

Amount					20.5 X 8419.04364275	172590.39		
12. Plastering (AR1004) : 12mm thick cement plster (1:6) over Brick work in inside								
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	building outside	2.000	53.000	0.000	10.000	0.093	98.474	-
ii	septic tank	2.000	10.000	0.000	5.000	0.093	9.290	-
iii	door	1.000	3.000	0.000	7.000	0.093	-	1.951
iv	window	4.000	4.000	0.000	4.000	0.093	-	5.946
Total Quantity					99.8675 Sqm (Sqm)		99.8675 Sqm (Square Meter)	
Amount					99.8675 X 166.5157681922		16629.51	
13. 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	53.000	0.000	10.000	0.093	98.474	-
ii	toilet	4.000	17.000	0.000	10.000	0.093	63.172	-
iii	door	1.000	3.000	0.000	7.000	0.093	-	1.951
iv	door	4.000	2.500	0.000	7.000	0.093	-	6.503
v	window	4.000	4.000	0.000	4.000	0.093	-	5.946
Total Quantity					147.2465 Sqm (Sqm)		147.2465 Sqm (Square Meter)	
Amount					147.2465 X 240.098926797		35353.73	

14. 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	Hall	1.000	13.000	22.830	0.000	0.093	27.572	-
ii	hall	1.000	13.830	11.000	0.000	0.093	14.133	-
iii	dado	1.000	87.980	0.330	0.000	0.093	2.697	-
Total Quantity					44.401870859693 Sqm (Sqm)		44.401870859693 Sqm (Square Meter)	
Amount					44.401870859693 X 1000.0667456066		44404.83	

15. Flooring (AR0816) : 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 floor

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 floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 (1cement: 1sand) jointed with neat cement slurry mixed with pigment to match the shades of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Toilet	2.000	11.000	6.000	0.000	0.093	12.263	-
Total Quantity					12.2628 Sqm (Sqm)		12.2628 Sqm (Square Meter)	
Amount					12.2628 X 1175.6767713023		14417.09	

16. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
-------	-------------	----	---	---	---	----	----------	-----------

i	toilet wall	4.000	17.000	0.000	3.000	0.093	18.952	-
Total Quantity					18.9516 Sqm (Sqm)		18.9516 Sqm (Square Meter)	
Amount					18.9516 X 870.0476972865		16488.80	
17. 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	16mm plaster and flooring area	203.538	0.000	0.000	0.000	0.000	203.538	-
Total Quantity					203.5377 Sqm (Sqm)		203.5377 Sqm (Square Meter)	
Amount					203.5377 X 79.21834		16123.92	
18. Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface)								
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	12& 16 mm platser and flooring	303.405	0.000	0.000	0.000	0.000	303.405	-
Total Quantity					303.4052 Sqm (Sqm)		303.4052 Sqm (Square Meter)	
Amount					303.4052 X 71.84106368411		21796.95	
19. Painting (AR0918ca) : Finishing wall two coats with weather coat with one coat oilbound Primer								
Finishing wall surface two coats with weather coat with one coat oilbound Primer including all costs of labour, Paint, Primer, 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	12 mm plaster	99.868	0.000	0.000	0.000	0.000	99.868	-
Total Quantity					99.8675 Sqm (Sqm)		99.8675 Sqm (Square Meter)	
Amount					99.8675 X 156.87482902786		15666.70	
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	16 mm plaster arae	159.138	0.000	0.000	0.000	0.000	159.138	-
Total Quantity					159.1377 Sqm (Sqm)		159.1377 Sqm (Square Meter)	
Amount					159.1377 X 94.76538804375		15080.75	
21. 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	Door	1.000	3.000	7.000	3.000	0.000	63.000	-
ii	door	2.000	2.500	7.000	3.000	0.000	105.000	-
iii	window	4.000	4.000	4.000	3.250	0.000	208.000	-
iv	ventilator	4.000	1.500	1.000	2.000	0.000	12.000	-
Total Quantity					388 Kg (Kilo Gram)		3.88 Qntl (Quintal)	
Amount					3.88 X 15762.377462087		61158.02	
22. 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	Door	1.000	3.000	7.000	2.250	0.093	4.390	-
ii	door	4.000	2.500	7.000	2.250	0.093	14.632	-
iii	window	4.000	4.000	4.000	2.250	0.093	13.378	-
Total Quantity					32.398875 Sqm (Sqm)		32.398875 Sqm (Square Meter)	
Amount					32.398875 X 164.24048610827		5321.21	
Total Amount							963660.77	
Addition								
Provision for PH Work (+) @							14339.00	
Provision for EI Work (+) @							10000.00	
Provision for Contingency (+) @							10000.00	
Display Citizen Board (+) @							2000.00	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
Total Addition							36339.00	
Grand Net Total Amount							999999.77	

Ananta Prasad Bidika
JE
Belpara Block

prabhat kumar rath
AEE
Belpara Block

RAJESH MEHER
BDO
Belpara Block