

Detailed Estimate

OD/361/3452/119466/385974/00015521 : IMPROVEMENT / COMPLETION OF KALYAN MANDAP AT PALASPANGA
Block : Kendujhar Sadar, Gram Panchayat : Palaspanga
Created By:Ranjan Kumar Swain

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								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	EARTH WORK	1.000	40.000	2.000	1.660	0.000	132.800	-
ii	cutoff	2.000	56.000	0.660	0.660	0.000	48.787	-
iii	b.wall	1.000	63.000	2.000	2.000	0.000	252.000	-
iv	cut off	1.000	316.000	0.500	0.660	0.000	104.280	-
Total Quantity					537.8672 Cft (Cubic Foot)		15.23067792896 Cum (Cubic Meter)	
Amount					15.23067792896 X 240.77592		3667.18	
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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	EARTH WORK	1.000	40.000	2.000	0.330	0.000	26.400	-
ii	cutoff	2.000	56.000	0.660	0.330	0.000	24.394	-
iii	b.wall	1.000	63.000	2.000	0.330	0.000	41.580	-
iv	cut off	1.000	316.000	0.500	0.330	0.000	52.140	-
v	Sidepath	1.000	142.410	3.000	0.330	0.000	140.986	-

vi	Sidepath	1.000	57.580	3.330	0.330	0.000	63.275	-
vii	Front conc	1.000	56.000	22.500	0.330	0.000	415.800	-
Total Quantity					764.574162 Cft (Cubic Foot)		21.650293630522 Cum (Cubic Meter)	
Amount					21.650293630522 X 1071.673832		23202.05	

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	Side path	1.000	42.500	2.500	0.330	0.000	35.063	-
ii	cutoff	2.000	56.000	0.660	0.500	0.000	36.960	-
iii	b.wall	1.000	63.000	2.000	0.330	0.000	41.580	-
iv	cut off	1.000	316.000	0.500	0.500	0.000	79.000	-
v	Sidepath	1.000	142.410	3.000	0.330	0.000	140.986	-
vi	Sidepath	1.000	57.580	3.500	0.330	0.000	66.505	-
vii	Front conc	1.000	61.000	22.500	0.330	0.000	452.925	-
Total Quantity					853.0183 Cft (Cubic Foot)		24.15474859744 Cum (Cubic Meter)	
Amount					24.15474859744 X 6076.20848404		146769.29	

4. Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum

Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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 as per specificaion and direction of Engineer-in charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Front conc	1.000	61.000	22.500	0.290	0.000	398.025	-

ii		1.000	15.000	8.000	0.290	0.000	34.800	-
Total Quantity					432.825 Cft (Cubic Foot)		12.25621896 Cum (Cubic Meter)	
Amount					12.25621896 X 7531.27320948		92304.93	
5. miscellaneous (ARM286) : Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC								
Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Side path	1.000	42.500	2.500	0.000	0.000	106.250	-
ii	Sidepath	1.000	142.410	3.000	0.000	0.000	427.230	-
iii	Sidepath	1.000	57.500	3.500	0.000	0.000	201.250	-
Total Quantity					734.73 Sft (Square Foot)		68.25862119 Sqm (Square Meter)	
Amount					68.25862119 X 535.478		36550.99	
6. Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth								
Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth 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	b.wall	1.000	63.000	1.250	1.500	0.000	118.125	-
ii	b.wall	1.000	35.000	1.250	1.500	0.000	65.625	-
Total Quantity					183.75 Cft (Cubic Foot)		5.203212 Cum (Cubic Meter)	
Amount					5.203212 X 5129.455030672		26689.64	

7. 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	B.WALL	1.000	63.000	0.830	4.160	0.000	217.526	-
ii		1.000	35.000	0.830	4.000	0.000	116.200	-
Total Quantity					333.7264 Cft (Cubic Foot)		9.45006372352 Cum (Cubic Meter)	
Amount					9.45006372352 X 5162.785030672		48788.65	

8. 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	B.WALL	1.000	63.000	0.000	4.500	0.000	283.500	-
ii		1.000	35.000	0.000	4.000	0.000	140.000	-
Total Quantity					423.5 Sft (Square Foot)		39.3444205 Sqm (Square Meter)	
Amount					39.3444205 X 251.557131468		9897.37	

9. Plastering (AR1004i) : 12mm thick cement plaster (1:6) over Brick work in outside.

12mm thick cement plaster (1:6) over Brick 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	B.WALL	1.000	63.000	0.000	5.500	0.000	346.500	-
ii		1.000	35.000	0.000	5.000	0.000	175.000	-

Total Quantity	521.5 Sft (Square Foot)	48.4489145 Sqm (Square Meter)
Amount	48.4489145 X 176.0619759608	8530.01

10. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	parapet WALL	2.000	63.000	0.830	2.500	0.000	261.450	-
ii		1.000	32.000	0.830	2.500	0.000	66.400	-
iii	Ded d	1.000	5.000	0.830	2.500	0.000	-	10.375

Total Quantity	317.475 Cft (Cubic Foot)	8.98987608 Cum (Cubic Meter)
Amount	8.98987608 X 5491.815760672	49370.74

11. 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	parapet WALL	2.000	63.000	0.000	5.830	0.000	734.580	-
ii		1.000	32.000	0.000	5.830	0.000	186.560	-
iii	ded	1.000	5.000	0.000	5.830	0.000	-	29.150

Total Quantity	891.99 Sft (Square Foot)	82.86854697 Sqm (Square Meter)
Amount	82.86854697 X 257.641371468	21350.37

12. Painting (AR0918fk) : Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside)(For repair and maintenance) .

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 and Brushes required for the work, etc. complete and as per direction of Engineer-in-charge(Outside)(For repair and maintenance).

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	parapet WALL	2.000	63.000	0.000	5.830	0.000	734.580	-
ii	sw	1.000	32.000	0.000	5.830	0.000	186.560	-
iii	ded	1.000	5.000	0.000	5.830	0.000	-	29.150
iv	b.wall	2.000	63.000	0.000	4.500	0.000	567.000	-
v	bldg	2.000	64.000	0.000	10.000	0.000	1280.000	-
vi	sw	2.000	32.000	0.000	10.000	0.000	640.000	-
vii	Ded	2.000	4.000	0.000	7.000	0.000	-	56.000
viii	w	6.000	4.000	0.000	4.500	0.000	-	108.000
Total Quantity					3214.99 Sft (Square Foot)		298.68221597 Sqm (Square Meter)	
Amount					298.68221597 X 89.1635587625		26631.57	
Total Amount							493752.79	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							5000.00	
Display Citizen Board (+) @							1247.20	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								

Total Addition	6247.20
Grand Net Total Amount	499999.99

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