

Detailed Estimate

OD/361/3452/119460/386089/00015512 : CONSTRUCTION AND DEVELOPMENT OF RURAL HAAT AT MAIDANKEL

Block : Kendujhar Sadar, Panchayat : Maidankel

Created By:Kandarpa Palei

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	Foundation for Pindi-4(New)	10.000	2.000	2.000	2.000	0.000	80.000	-	
ii	Wall foundation(L.W)	2.000	50.160	1.660	1.000	0.000	166.531	-	
iii	Wall foundation(S.W)	2.000	14.330	1.660	1.000	0.000	47.576	-	
iv	Cutoff wall for Pathway	2.000	85.830	0.830	0.500	0.000	71.239	-	
v		2.000	96.500	0.830	0.500	0.000	80.095	-	
vi	Cutoffwall for Approach Road	2.000	30.000	0.830	0.500	0.000	24.900	-	
vii	Inside Pathway	2.000	84.160	4.160	0.330	0.000	231.070	-	
viii		2.000	94.830	4.160	0.330	0.000	260.365	-	
ix	Gap of Pind-1 & Pindi-2	1.000	50.000	16.000	0.330	0.000	264.000	-	
x	Gap of Pind-2 & Pindi-3	1.000	50.000	16.000	0.330	0.000	264.000	-	
xi	Gap of Pindi-1,2 & 4	1.000	49.330	7.660	0.330	0.000	124.696	-	
xii	Approach road	1.000	30.000	10.330	0.330	0.000	102.267	-	
Total Quantity					1716.739018 Cft (Cubic Foot)		48.612555424902 Cum (Cubic Meter)		
Amount					48.612555424902 X 235.56432		11451.38		

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	Foundation for Pindi-4(New)	10.000	2.000	2.000	0.500	0.000	20.000	-
ii	Wall foundation(L.W)	2.000	50.160	1.660	0.330	0.000	54.955	-
iii	Wall foundation(S.W)	2.000	14.330	1.660	0.330	0.000	15.700	-
iv	Cutoff wall for Pathway	2.000	85.830	0.830	0.330	0.000	47.018	-
v		2.000	96.500	0.830	0.330	0.000	52.863	-
vi	Cutoffwall for Approach Road	2.000	30.000	0.830	0.330	0.000	16.434	-
vii	Inside Pathway	2.000	84.160	4.160	0.250	0.000	175.053	-
viii		2.000	94.830	4.160	0.250	0.000	197.246	-
ix	Gap of Pind-1 & Pindi-2	1.000	50.000	16.000	0.250	0.000	200.000	-
x	Gap of Pind-2 & Pindi-3	1.000	50.000	16.000	0.250	0.000	200.000	-
xi	Gap of Pindi-1,2 &4	1.000	49.330	7.660	0.250	0.000	94.467	-
xii	Approach road	1.000	30.000	10.330	0.250	0.000	77.475	-
xiii	Floor of Pindi-4(New)	1.000	47.660	15.160	1.500	0.000	1083.790	-
Total Quantity					2234.999168 Cft (Cubic Foot)		63.288024440422 Cum (Cubic Meter)	
Amount					63.288024440422 X 1051.841472		66568.97	

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	Foundation for Pindi-4(New)	10.000	2.000	2.000	0.500	0.000	20.000	-
ii	Wall foundation(L.W)	2.000	50.160	1.660	0.330	0.000	54.955	-
iii	Wall foundation(S.W)	2.000	14.330	1.660	0.330	0.000	15.700	-
iv	Cutoff wall for Pathway	2.000	85.830	0.830	0.500	0.000	71.239	-
v		2.000	96.500	0.830	0.500	0.000	80.095	-
vi	Cutoffwall for Approach Road	2.000	30.000	0.830	0.500	0.000	24.900	-
vii	Inside Pathway	2.000	84.160	4.160	0.250	0.000	175.053	-
viii		2.000	94.830	4.160	0.250	0.000	197.246	-
ix	Gap of Pindi-1 & Pindi-2	1.000	50.000	16.000	0.250	0.000	200.000	-
x	Gap of Pindi-2 & Pindi-3	1.000	50.000	16.000	0.250	0.000	200.000	-
xi	Gap of Pindi-1,2 & 4	1.000	49.330	7.660	0.250	0.000	94.467	-
xii	Approach road	1.000	30.000	10.330	0.330	0.000	102.267	-
xiii	Floor of Pindi-4(New)	1.000	47.660	15.160	0.250	0.000	180.631	-
xiv	Damaged floor of Pindi-1	1.000	25.000	16.330	0.250	0.000	102.062	-
Total Quantity					1518.616194 Cft (Cubic Foot)		43.002351042259 Cum (Cubic Meter)	
Amount					43.002351042259 X 6088.56470284		261822.60	
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	Foundation for Pindi-4(New)	10.000	2.000	2.000	1.000	0.000	40.000	-	
ii	Foundation for Pindi-4(New)	10.000	1.250	1.250	2.250	0.000	35.156	-	
iii	Inside Pathway	2.000	85.830	5.000	0.200	0.000	171.660	-	
iv		2.000	96.500	5.000	0.200	0.000	193.000	-	
v	Gap of Pind-1 & Pindi-2	1.000	50.000	16.000	0.200	0.000	160.000	-	
vi	Gap of Pind-2 & Pindi-3	1.000	50.000	16.000	0.250	0.000	200.000	-	
vii	Gap of Pindi-1,2 &4	1.000	49.330	7.660	0.200	0.000	75.574	-	
viii	Approach road	1.000	30.000	12.000	0.250	0.000	90.000	-	
Total Quantity					965.38981 Cft (Cubic Foot)		27.336750171808 Cum (Cubic Meter)		
Amount					27.336750171808 X 7569.65761308		206929.84		

5. R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc

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. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	Foundation for Pindi-4(New)	40.000	1.250	0.000	2.250	0.000	112.500	-	
ii	Ctoff wall	4.000	85.830	0.000	0.830	0.000	284.956	-	
iii		4.000	96.500	0.000	0.830	0.000	320.380	-	
iv	Approach road	4.000	30.000	0.000	0.830	0.000	99.600	-	
v		2.000	30.000	0.000	0.250	0.000	15.000	-	
Total Quantity					832.4356 Sft (Square Foot)		77.3357645468 Sqm (Square Meter)		
Amount					77.3357645468 X 215.22489289764		16644.58		

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/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	Wall foundation(L.W)	2.000	49.330	1.250	0.580	0.000	71.529	-
ii	Wall foundation(S.W)	2.000	14.330	1.250	0.580	0.000	20.779	-
iii		2.000	49.330	0.830	2.000	0.000	163.776	-
iv		2.000	15.160	0.830	2.000	0.000	50.331	-
Total Quantity					306.4138 Cft (Cubic Foot)		8.67665829184 Cum (Cubic Meter)	
Amount					8.67665829184 X 5160.382042712		44774.87	

7. Flooring (AR0802ik) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips(For repair and maintenance).

2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge(For repair and maintenance) .

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Floor of Pindi-4	1.000	49.330	16.830	0.000	0.000	830.224	-
ii	Damaged floor of Pindi-1	1.000	51.330	18.000	0.000	0.000	923.940	-
iii	Damaged floor of Pindi-2	1.000	5.000	18.000	0.000	0.000	90.000	-
Total Quantity					1844.1639 Sft (Square Foot)		171.3283588017 Sqm (Square Meter)	
Amount					171.3283588017 X 376.4043595168		64488.74	

8. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
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i	Pindi-1,2,3	6.000	51.330	0.000	1.000	0.000	307.980	-
ii		6.000	18.000	0.000	1.000	0.000	108.000	-
iii	Pindi-4	2.000	49.330	0.000	2.250	0.000	221.985	-
iv		2.000	16.830	0.000	2.250	0.000	75.735	-
Total Quantity					713.7 Sft (Square Foot)		66.3048711 Sqm (Square Meter)	
Amount					66.3048711 X 174.5287612168		11572.11	

9. Painting (AR0918hk) : Finishing wall with two coats weather coat paint of approved shade including one coat of water bound primer in the outer surface of old work(Outside)(For repair and maintenance).

Finishing wall with two coats weather coat paint of approved shade including one coat of water bound primer 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)(For repair and maintenance).

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Pindi-1,2,3	6.000	51.330	0.000	1.500	0.000	461.970	-
ii		6.000	18.000	0.000	1.500	0.000	162.000	-
iii	Pindi-4	2.000	49.330	0.000	2.250	0.000	221.985	-
iv		2.000	16.830	0.000	2.250	0.000	75.735	-
Total Quantity					921.69 Sft (Square Foot)		85.62776607 Sqm (Square Meter)	
Amount					85.62776607 X 160.86193723823		13774.25	

10. 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

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Pindi-4	2.000	50.000	10.000	0.000	0.000	1000.000	-
ii	RIDGE	1.000	50.000	2.000	0.000	0.000	100.000	-
Total Quantity					1100 Sft (Square Foot)		102.1933 Sqm (Square Meter)	

Amount						102.1933 X 534.11157245951	54582.62	
11. 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	100MM NB MS PIPE	10.000	3.040	0.000	0.000	14.400	437.760	-
ii	ISA 50*50*3.6MM FOR TRUSS	5.000	5.030	0.000	0.000	4.930	123.990	-
iii	ISA 50*50*3.6MM	5.000	0.750	0.000	0.000	4.930	18.488	-
iv		10.000	2.700	0.000	0.000	4.930	133.110	-
v		10.000	0.600	0.000	0.000	4.930	29.580	-
vi		10.000	0.400	0.000	0.000	4.930	19.720	-
vii		10.000	0.200	0.000	0.000	4.930	9.860	-
viii	BRACING	10.000	0.800	0.000	0.000	4.930	39.440	-
ix		10.000	0.750	0.000	0.000	4.930	36.975	-
x		10.000	0.600	0.000	0.000	4.930	29.580	-
xi	PURLIN	6.000	15.240	0.000	0.000	4.930	450.799	-
xii	BASE PLATE(250*250*6 MM)	10.000	0.000	0.000	0.000	2.944	29.440	-
xiii	BASE PLATE(150*150*6 MM)	10.000	0.000	0.000	0.000	1.059	10.590	-
Total Quantity					1369.3312 Kg (Kilo Gram)		13.693312 Qntl (Quintal)	
Amount					13.693312 X 16401.911264976		224596.49	
12. Painting (AR0903ak) : Painting two coats of enamel paint with a coat of wood primer new wood work in inner surface paint (Inside)(For repair and maintenance) .								

Painting two coats of enamel paint with a coat of wood primer in new wood work inner surface paint including all costs of labour, Paint, Primer, brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Inside)(For repair and maintenance)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	100MM NB MS PIPE	10.000	3.040	0.310	0.000	0.000	9.424	-
ii	ISA 50*50*3.6MM FOR TRUSS	1.000	181.810	0.200	0.000	0.000	36.362	-
iii	BASE PLATE(150*150*6 MM)	10.000	0.150	0.150	0.000	0.000	0.225	-
Total Quantity					46.011 Sft (Square Foot)		4.274559933 Sqm (Square Meter)	
Amount					4.274559933 X 241.35095841742		1031.67	

13. Road Work (AR1307) : Supplying & spreading moorum and consolidation with HRR

Supplying & spreading moorum and consolidation with HRR including cost, conveyance, royalty, taxes cost of all labour & material, hire charges of T & P materials required for work as per specification and complete as per direction of Engineer-in-Charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	GAP PORTION	1.000	50.000	10.000	0.500	0.000	250.000	-
Total Quantity					250 Cft (Cubic Foot)		7.0792 Cum (Cubic Meter)	
Amount					7.0792 X 980.71479089753		6942.68	
Total Amount							985180.80	

Addition

Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							10000.00	
Display Citizen Board (+) @							3000.00	
Any Other Lumpsum (+) @							1819.20	
Total Addition							14819.20	
Grand Net Total Amount							1000000.00	