

ESTIMATION DPR							
State	Odisha	District	Koraput	Block	Kundura	Gram Panchayat	Lima

Work Code	OD/363/3473/119837/429168/00063585 (Repair and maintenance of AWC at Gunthaguda)						
Project Category	Building						

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Kundura	Proposal Date	30-12-2024
Date of Commencement	-	Date of Completion	
Scheme Name	Asset Management Women and Child Development Department	Scheme Component Name	Self/Personal Deposit
Project Sub-Category	AWC	Project Type	Repair and Maintenance
Name of Executant			

Administrative Approval Details

Approval No.	OD/363/3473/119837/429168/00063585/AS
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	44000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	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.	Sqm	16.146	173.1657079196	2795.9335200699
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2	<p style="text-align: center;">R.C.C. Work (AR0404Ag) :</p> <p>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)</p>	Cum	0.075	12813.850184773	961.03876385798
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3	<p style="text-align: center;">Masonry</p> <p>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.</p>	Cum	0.3105	5147.866905664	1598.4126742087
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4	<p style="text-align: center;">Other Building Items. (AR1901Bb) : Vitrified Tile 600mmx600mm industrial floor</p> <p>Tile - Supplying, fitting & fixing Vitrified industrial floor Tile of premium grade having thickness 8mm to 10mm confirming to IS 4457 of size 300mmx300mm 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 work all materials, taxes, labor, T&P , etc. complete as per direction of Engineer-in-charge.</p>	Sqm	3.7	938.8708612818	3473.8221867427
5	<p style="text-align: center;">Painting (AR0901ai) : Priming one coat in outer surface with primer of approved quality over woodwork -</p> <p>Priming one coat in outer 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.</p>	Sqm	77.27625	70.09444766621	5416.636061466

6	<p>Dismantling (AR1613) : Removing old lime or cement plaster - Removing old lime or cement plaster from walls including raking out joints 12 mm deep and removing the debris within 50m lead and as per direction of Engineer-in-Charge.</p>	Sqm	13.4145	50.174193548387	673.06171935484
7	<p>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)</p>	Sqm	133.61625	94.7676397125	12662.496639735
8	<p>Painting (AR0918Ai) : Fifth Floor - Finishing wall one coat with weather coat including all costs of labour, Paint, Primer and Brushes required for the work etc. complete and as per direction of Engineer-in-charge.</p>	Sqm	70.79875	68.791506682181	4870.3526837151

9	<p align="center">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.</p>	Sqm	133.61625	70.09444766621	9365.7572429802
Total Amount (in Rs.): 41817.511492131					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<p>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.</p>	-	16.146	Sqm
	i Un-Skilled	0.12	1.93752	-
	ii Skilled	0.14	2.26044	-

2	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)	-	0.075	Cum
i	Un-Skilled	1.3333	0.0999975	-
ii	Skilled	3.15525	0.23664375	-
iii	Semi-Skilled	3.11255	0.23344125	-

3	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/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.	-	0.3105	Cum
i	Un-Skilled	2.96	0.91908	-
ii	Skilled	1.05	0.326025	-
iii	Highly-Skilled	0.35	0.108675	-

4	<p>Other Building Items. (AR1901Bb) : Vitrified Tile 600mmx600mm industrial floor Tile - Supplying, fitting & fixing Vitrified industrial floor Tile of premium grade having thickness 8mm to 10mm confirming to IS 4457 of size 300mmx300mm 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 work all materials, taxes, labor, T&P , etc. complete as per direction of Engineer-in-charge.</p>	-	3.7	Sqm
i	Un-Skilled	0.216	0.7992	-
ii	Highly-Skilled	0.216	0.7992	-
5	<p>Painting (AR0901ai) : Priming one coat in outer surface with primer of approved quality over woodwork - Priming one coat in outer 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.</p>	-	77.27625	Sqm
i	Highly-Skilled	0.053763440860215	4.1546370967742	-
ii	Un-Skilled	0.053763440860215	4.1546370967742	-

6	Dismantling (AR1613) : Removing old lime or cement plaster - Removing old lime or cement plaster from walls including raking out joints 12 mm deep and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	13.4145	Sqm
i	Un-Skilled	0.10752688172043	1.4424193548387	-
7	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)	-	133.61625	Sqm
i	Highly-Skilled	0.054	7.2152775	-
ii	Un-Skilled	0.064	8.55144	-
8	Painting (AR0918Ai) : Fifth Floor - Finishing wall one coat with weather coat including all costs of labour, Paint, Primer and Brushes required for the work etc. complete and as per direction of Engineer-in-charge.	-	70.79875	Sqm
i	Un-Skilled	0.0548801071875	3.885442988741	-

	ii	Highly-Skilled	0.04594613625	3.2529290138297	-
9		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.	-	133.61625	Sqm
	i	Highly-Skilled	0.053763440860215	7.1836693548387	-
	ii	Un-Skilled	0.053763440860215	7.1836693548387	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	28.973406295193	462	13385.713708379
2	Skilled	2.82310875	562	1586.5871175
3	Semi-Skilled	0.23344125	512	119.52192
4	Highly-Skilled	22.714387965443	612	13901.205434851
				Total: 28993.02818073

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	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.	-	16.146	Sqm
i)	BRM340 : Cement	0.0358	0.5780268	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.24219	1 Cum
2	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)	-	0.075	Cum
i)	BRM340 : Cement	3.4733	0.2604975	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.03375	1 Cum

iii)	BRM060 : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve & retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)	0.36	0.027	1 Cum.
iv)	BRM052 : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)	0.54	0.0405	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	6.2216	0.46662	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0502172	0.00376629	1Cum.
3	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/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.	-	0.3105	Cum
i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	0.3105	1 Cum

ii)	BRM006 : Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance \pm 2 %	400	124.2	1000 Nos
iii)	BRM340 : Cement	0.672	0.208656	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.28	0.08694	1 Cum
4	Other Building Items. (AR1901Bb) :Vitrified Tile 600mmx600mm industrial floor Tile - Supplying, fitting & fixing Vitrified industrial floor Tile of premium grade having thickness 8mm to 10mm confirming to IS 4457 of size 300mmx300mm 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 work all materials, taxes, labor, T&P , etc. complete as per direction of Engineer-in-charge.	-	3.7	Sqm
i)	BRM133 : Tiles up to Vitrified industrial floor Tile of premium grade having thickness 8mm to 10mm confirming to IS 4457 of size 300mmx300mm	1	3.7	1 Sqm.
ii)	BRM174 : White Cement.	0.0076	0.02812	1Qntl
iii)	BRM340 : Cement	0.1074	0.39738	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.021	0.0777	1 Cum

5	Painting(AR0901ai) :.Priming one coat in outer surface with primer of approved quality over woodwork - Priming one coat in outer 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.	-	77.27625	Sqm
i)	BRM138 : Wood Primer	0.075	5.79571875	1 Litre
6	Dismantling (AR1613) :.Removing old lime or cement plaster - Removing old lime or cement plaster from walls including raking out joints 12 mm deep and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	13.4145	Sqm
7	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)	-	133.61625	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	16.70203125	1 Litre
8	Painting(AR0918Ai) :. Fifth Floor - Finishing wall one coat with weather coat including all costs of labour, Paint, Primer and Brushes required for the work etc. complete and as per direction of Engineer-in-charge.	-	70.79875	Sqm

i)	BRM255 : Weather Coat (I.S.I.)	0.075	5.30990625	1 Ltr
9	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.	-	133.61625	Sqm
i)	BRM138 : Wood Primer	0.075	10.02121875	1 Litre

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM340	1.4445603	1 Qntl.	575.117	830.7911860551
2	BRM028	0.44058	1 Cum	612.27	269.7539166
3	BRM060	0.027	1 Cum.	1955.08	52.78716
4	BRM052	0.0405	1 Cum.	1918.7	77.70735
5	BRM084	0.46662	1Mtr	440.406	205.50224772
6	BRM104	0.00376629	1Cum.	58573.086	220.60322807094
7	BRMMR0025	0.3105	1 Cum	33	10.2465
8	BRM006	124.2	1000 Nos	5.4818	680.83956
9	BRM133	3.7	1 Sqm.	591.2238891	2187.52838967
10	BRM174	0.02812	1Qntl	2053.857	57.75445884
11	BRM138	15.8169375	1 Litre	155.44677	2458.6918456669
12	BRM140	16.70203125	1 Litre	249.70677	4170.6102758766
13	BRM255	5.30990625	1 Ltr	195.15677	1036.2641527528
Total: 12259.080271252					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	0.44058	1 Cum	272.55	120.080079
2	BRM060	0.027	1 Cum.	629.05	16.98435
3	BRM052	0.0405	1 Cum.	629.05	25.476525
Total: 162.540954					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 418.17511492131
2	Display Citizen Board @ Rs. 1750	Rs. 1750
Total Addition Component Amount (in Rs.): 2168.1751149213		

Total Net Amount (in Rs.): 43985.686607052