

ESTIMATION DPR							
State	Odisha	District	Ganjam	Block	Aska	Gram Panchayat	Pandiapathar a

Work Code	OD/354/3364/117591/411219/00061751 (Repair & Maintenance of Bajrakote PUPS)
Project Category	Building

Financial Year	2022-23	Execution Level	PS
Executing Agency	Panchayat Samiti, Aska	Proposal Date	-
Date of Commencement	12-01-2026	Date of Completion	-
Scheme Name	Maintenance of Non Residential Building	Scheme Component Name	MAINTENANCE OF NON-RESIDENTIAL BUILDING
Project Sub-Category	Elementary School	Project Type	Repair and Maintenance
Name of Executant	G Ramesh Chandra Pradhan		

Administrative Approval Details

Approval No.	OD/354/3364/117591/411219/00061751/AS
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Technical Sanction Details

Technical Sanction No.	OD/354/3364/117591/411219/00061751/TS
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	150000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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.	Cum	10.9869184	532.636832	7993.5786745872

2	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.	Cum	6.4279136	5212.78194442	7993.5786745872
3	Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside) - 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.	Sqm	78.317229	188.7040100956	7993.5786745872

4	Masonry Brick Work (AR06059) : Brick work with K.B. bricks 25cm x 12cm x 8cm - Brick work with K.B. bricks 25cm x 12cm x 8cm size having crushing strength not less than 75 Kg/cm ² with dimensional tolerance ± 8 percent in cement mortar (1:3) in foundation and plinth	Cum	7.592442	5399.53477434	7993.5786745872
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.	Qntl	1.8	8438.5567266	7993.5786745872

6	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.	Cum	3.300677	6748.85510154	7993.5786745872
7	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.	Sqm	84.355924	71.83753306751	7993.5786745872

8	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)	Sqm	84.355924	94.76013415	7993.5786745872
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Total Amount (in Rs.): 146652.47220967

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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.	-	10.9869184	Cum
i	Un-Skilled	0.1236	1.35798311424	-

2	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.	-	6.4279136	Cum
i	Skilled	0.18	1.157024448	-
ii	Un-Skilled	3.9	25.06886304	-
3	Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside) - 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.	-	78.317229	Sqm
i	Un-Skilled	0.17	13.31392893	-
ii	Skilled	0.14	10.96441206	-

4	Masonry Brick Work (AR06059) : Brick work with K.B. bricks 25cm x 12cm x 8cm - Brick work with K.B. bricks 25cm x 12cm x 8cm size having crushing strength not less than 75 Kg/cm ² with dimensional tolerance $\pm$ 8 percent in cement mortar (1:3) in foundation and plinth	-	7.592442	Cum
i	Un-Skilled	2.82	21.41068644	-
ii	Skilled	1.05	7.9720641	-
iii	Highly-Skilled	0.35	2.6573547	-
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.	-	1.8	Qntl
i	Un-Skilled	0.8	1.44	-
ii	Highly-Skilled	0.3	0.54	-

iii	Semi-Skilled	0.044	0.0792	-
6	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.	-	3.300677	Cum
i	Un-Skilled	4.6	15.1831142	-
ii	Skilled	0.68	2.24446036	-
7	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.	-	84.355924	Sqm
i	Highly-Skilled	0.053763440860215	4.5352647311828	-

ii	Un-Skilled	0.053763440860215	4.5352647311828	-
8	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)	-	84.355924	Sqm
i	Highly-Skilled	0.054	4.555219896	-
ii	Un-Skilled	0.064	5.398779136	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	87.708619591423	462	40521.382251237
1	Skilled	22.337960968	562	12553.934064016
2	Highly-Skilled	12.287839327183	612	7520.1576682359
3	Semi-Skilled	0.0792	512	40.5504
Total: 60636.024383489				

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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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.	-	10.9869184	Cum
i)	BRM029 : Sand for filling and road blinding	1	10.9869184	1 Cum
2	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.	-	6.4279136	Cum
i)	BRM340 : Cement	2.29	14.719922144	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	3.085398528	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	6.170797056	1 Cum.

3	Plastering (AR1027) :.6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside) - 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.	-	78.317229	Sqm
i)	BRM340 : Cement	0.0372	2.9134009188	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0075	0.5873792175	1 Cum
4	Masonry Brick Work (AR06059) :.Brick work with K.B. bricks 25cm x 12cm x 8cm - Brick work with K.B. bricks 25cm x 12cm x 8cm size having crushing strength not less than 75 Kg/cm2 with dimensional tolerance $\pm$ 8 percent in cement mortar (1:3) in foundation and plinth	-	7.592442	Cum
i)	BRM340 : Cement	1.33	10.09794786	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	2.12588376	1 Cum
iii)	BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance $\pm$ 2 %	350	2657.3547	1000 Nos

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.	-	1.8	Qntl
i)	BRM162 : Binding Wire.	0.8	1.44	1 Kg.
ii)	BRM341 : Steel	1.05	1.89	1 Qntl.
6	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.	-	3.300677	Cum
i)	BRM340 : Cement	3.23	10.66118671	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.48530465	1 Cum
iii)	BRM056 : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)	0.9	2.9706093	1 Cum.

7	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.	-	84.355924	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	7.085897616	1 Ltr
8	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)	-	84.355924	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	10.5444905	1 Litre

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	10.9869184	1 Cum	430.01	4724.484781184
2	BRM340	38.3924576328	1 Qntl.	598.442	22975.659130688
3	BRM028	7.2839661555	1 Cum	433.38	3156.7252524706
4	BRM044	6.170797056	1 Cum.	1336.36	8246.4063537562
5	BRM005	2657.3547	1000 Nos	6.2128	16509.61328016
6	BRM162	1.44	1 Kg.	90.1	129.744
7	BRM341	1.89	1 Qntl.	6225.55	11766.2895
8	BRM056	2.9706093	1 Cum.	1737.73	5162.116898889
9	BRM253	7.085897616	1 Ltr	159.33732	1129.0479359278
10	BRM140	10.5444905	1 Litre	249.64732	2632.4037940905

ROYALTY STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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.	-	10.9869184	Cum
i)	BRM029 : Sand for filling and road blinding	1	10.9869184	1 Cum
2	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.	-	6.4279136	Cum
i)	BRM340 : Cement	2.29	14.719922144	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	3.085398528	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	6.170797056	1 Cum.

3	Plastering (AR1027) :.6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside) - 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.	-	78.317229	Sqm
i)	BRM340 : Cement	0.0372	2.9134009188	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0075	0.5873792175	1 Cum
4	Masonry Brick Work (AR06059) :.Brick work with K.B. bricks 25cm x 12cm x 8cm - Brick work with K.B. bricks 25cm x 12cm x 8cm size having crushing strength not less than 75 Kg/cm2 with dimensional tolerance $\pm$ 8 percent in cement mortar (1:3) in foundation and plinth	-	7.592442	Cum
i)	BRM340 : Cement	1.33	10.09794786	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	2.12588376	1 Cum
iii)	BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance $\pm$ 2 %	350	2657.3547	1000 Nos

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.	-	1.8	Qntl
i)	BRM341 : Steel	1.05	1.89	1 Qntl.
6	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.	-	3.300677	Cum
i)	BRM340 : Cement	3.23	10.66118671	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.48530465	1 Cum
iii)	BRM056 : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)	0.9	2.9706093	1 Cum.

7	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.	-	84.355924	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	7.085897616	1 Ltr
8	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)	-	84.355924	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	10.5444905	1 Litre

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	10.9869184	1 Cum	40.25	442.2234656
2	BRM028	7.2839661555	1 Cum	40.25	293.17963775888
3	BRM044	6.170797056	1 Cum.	149.5	922.534159872
4	BRM056	2.9706093	1 Cum.	149.5	444.10609035
Total: 2102.0433535809					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 2000	Rs. 2000

2	Display Citizen Board @ Rs. 1000	Rs. 1000
3	Any Other Lumpsum @ Rs. 347	Rs. 347
Total Addition Component Amount (in Rs.): 3347		

Total Net Amount (in Rs.): 149999.47220967