

ESTIMATION DPR							
State	Odisha	District	Kendrapara	Block	Rajkanika	Gram Panchayat	Jagulaipada

Work Code	OD/360/3441/119214/395609/00065706 (Repair and restoration of Badiha Community Center)						
Project Category	Building						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Rajkanika	Proposal Date	30-12-2024
Date of Commencement	-	Date of Completion	
Scheme Name	Severe Cyclonic Storm DANA 2024	Scheme Component Name	Self/Personal Deposit
Project Sub-Category	Community Centre	Project Type	Repair and Maintenance
Name of Executant			

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	5574
Fund Sanction Amount (in Rs.)	200000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	<p style="text-align: center;">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</p>	Cum	10.26	240.77592	2470.3609392
2	<p style="text-align: center;">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.</p>	Cum	42.135	901.872632	38000.40334932

3	<p style="text-align: center;">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.</p>	Cum	6.522	6152.92406626	40129.370760148
4	<p style="text-align: center;">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.</p>	Cum	8.55	5214.330370168	44582.524664936

5	<p style="text-align: center;">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.</p>	Cum	2.638	7650.91075362	20183.10256805
6	<p style="text-align: center;">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.</p>	Qntl	1	15943.618427087	15943.618427087

7	Roofing (AR1132) : Supplying, feeting & fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties - Supplying, fitting & fixing of G.C.I. Sheet (0.30mm 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	Sqm	9.45	517.87098361032	4893.8807951175
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Total Amount (in Rs.): 166203.26150386

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Meaurement Qty)	Unit
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	-	10.26	Cum
i	Un-Skilled	0.516	5.29416	-

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.	-	42.135	Cum
i	Un-Skilled	0.1236	5.207886	-
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.	-	6.522	Cum
i	Skilled	0.18	1.17396	-
ii	Un-Skilled	3.9	25.4358	-

4	<p>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.</p>	-	8.55	Cum
i	Un-Skilled	2.96	25.308	-
ii	Skilled	1.05	8.9775	-
iii	Highly-Skilled	0.35	2.9925	-
5	<p>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 specifaion and direction of Engineer-in charge.</p>	-	2.638	Cum

	i	Un-Skilled	4.6	12.1348	-
	ii	Skilled	0.68	1.79384	-
6		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.	-	1	Qntl
	i	Un-Skilled	6.3976377952756	6.3976377952756	-
	ii	Semi-Skilled	1.9685039370079	1.9685039370079	-
	iii	Skilled	3.9370078740157	3.9370078740157	-
	iv	Highly-Skilled	3.4448818897638	3.4448818897638	-
7		Roofing (AR1132) : Supplying, feeting & fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties - Supplying, fitting & fixing of G.C.I. Sheet (0.30mm 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	-	9.45	Sqm

i	Un-Skilled	0.21505376344086	2.0322580645161	-
ii	Highly-Skilled	0.16129032258065	1.5241935483871	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	81.810541859792	462	37796.470339224
2	Skilled	15.882307874016	562	8925.8570251969
3	Highly-Skilled	7.9615754381509	612	4872.4841681483
4	Semi-Skilled	1.9685039370079	512	1007.874015748
Total: 52602.685548317				

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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	-	10.26	Cum

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.	-	42.135	Cum
i)	BRM029 : Sand for filling and road blinding	1	42.135	1 Cum
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.	-	6.522	Cum
i)	BRM340 : Cement	2.29	14.93538	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	3.13056	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	6.26112	1 Cum.

4	<p>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.</p>	-	8.55	Cum
i)	<p>BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK</p>	1	8.55	1 Cum
ii)	<p>BRM340 : Cement</p>	0.672	5.7456	1 Qntl.
iii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.28	2.394	1 Cum
iv)	<p>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 ± 2 %</p>	350	2992.5	1000 Nos

5	<p>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 specifaion and direction of Engineer-in charge.</p>	-	2.638	Cum
i)	BRM340 : Cement	3.23	8.52074	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.1871	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	2.3742	1 Cum.
6	<p>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.</p>	-	1	Qntl
i)	BRM341 : Steel	1	1	1 Qntl.

7	Roofing (AR1132) :.Supplying, feeting & fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties - Supplying, fitting & fixing of G.C.I. Sheet (0.30mm 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	-	9.45	Sqm
i)	BRM149 : G.C.I. Sheet 0.30mm thick	1	9.45	1 Sqm

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	42.135	1 Cum	600.59	25305.85965
2	BRM340	29.20172	1 Qntl.	583.967	17052.84082324
3	BRM028	6.71166	1 Cum	608.22	4082.1658452
4	BRM044	6.26112	1 Cum.	2256.75	14129.78256
5	BRMMR0025	8.55	1 Cum	33	282.15
6	BRM005	2992.5	1000 Nos	6.61785	19803.916125
7	BRM056	2.3742	1 Cum.	2700.13	6410.648646
8	BRM341	1	1 Qntl.	6361.732	6361.732
9	BRM149	9.45	1 Sqm	314.679032	2973.7168524
Total: 96402.81250184					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	42.135	1 Cum	235.25	9912.25875
2	BRM028	6.71166	1 Cum	40.25	270.144315
3	BRM044	6.26112	1 Cum.	149.5	936.03744
4	BRM056	2.3742	1 Cum.	149.5	354.9429
Total: 11473.383405					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for EI Work @ Rs. 30000	Rs. 30000

2	Provision for Contingency @ Rs. 2000	Rs. 2000
3	Display Citizen Board @ Rs. 1796	Rs. 1796
Total Addition Component Amount (in Rs.): 33796		

Total Net Amount (in Rs.): 199999.26150386