

ESTIMATION DPR							
State	Odisha	District	Khordha	Block	Balipatna	Gram Panchayat	Amanakuda

Work Code	OD/362/3457/119550/407639/00072023 (Maintenance of Market Complex at Amanakuda Near GP Office)						
Project Category	Building						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Balipatna	Proposal Date	-
Date of Commencement	-	Date of Completion	
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Maintenance of Capital Assets
Project Sub-Category	Market Complex	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.	29142
Fund Sanction Amount (in Rs.)	350000

### 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;"><b>Earth Work (AR0102aa)</b>  <b>: Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b>  Earth work in hard soil or gravelly soil foundation &amp; 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	10.179	240.77592	2450.85808968
2	<p style="text-align: center;"><b>Earth Work (AR0115) :</b>  <b>Filling foundation and plinth with sand well watered and rammed -</b>  Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	13.572	619.032232	8401.505452704

3	<p style="text-align: center;"><b>Concrete (AR0303) :</b>  <b>Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal</b> - 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	13.572	6060.5506015	82253.792763558
4	<p style="text-align: center;"><b>Concrete (AR0307) :</b>  <b>Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum</b> - 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&amp;P required for the work etc. complete as per specifcaion and direction of Engineer-in charge.</p>	Cum	9.09324	7485.5684895	68068.070811461

5	<b>miscellaneous (ARM216) : Shuttering in foundation excluding cost of wood (Labour only). (Well Sinking) and as directed by Engineer-in-Charge. - Shuttering in foundation excluding cost of wood (Labour only). (Well Sinking) and as directed by Engineer-in-Charge.</b>	Sqm	6.588	4.99	32.87412
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6	<p style="text-align: center;"><b>Other Building Items. (AR1901Aa) : Supplying, fitting and fixing Vitrified Tile 600mmx600mm Coloured /Printed series(Homogeneous) of approved make conforming to IS :13755 with application of polymer modified quick set cement based water resistant adhesive conforming to IS :15477 of 3mm -</b></p> <p>Supplying, fitting and fixing Vitrified Tile 600mmx600mm Coloured /Printed series(Homogeneous) of approved make conforming to IS :13755 with application of polymer modified quick set cement based water resistant adhesive conforming to IS :15477 of 3mm thick bed and filling joints with white cement of approved quality including cost of all materials, labour ,T&amp;P,etc. required for the work all complete as per direction of Engineer-in-Charge</p>	Sqm	67.2375	2154.370349803	144854.47639488
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7	<p style="text-align: center;"><b>Flooring (AR0817aa) :</b>  <b>Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) -</b>  Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.</p>	Sqm	9.09	1538.833387736	13987.99549452
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8	<p><b>Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside) -</b>  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 &amp; P required for the work, etc comp. and as per the direction of the Engineer-in-charge.</p>	Sqm	34.14	193.81421563	6616.8173216082
9	<p><b>Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside -</b>  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 &amp; P required for the work etc. comp.and as per direction of Engineer-in-charge.</p>	Sqm	17.46	179.48539007	3133.8149106222

10	<p><b>Other Building Items. (AR1902) : cement based wall putty (water based) -</b>  Finishing surface of walls with cement based wall putty (water based) of approved make and finished smooth and even surface to receive painting including cost of scaffolding staging charges with cost of all materials taxes,labour,T&amp;P,e tc.complete. and as per the direction of Engineer in Charge.</p>	Sqm	34.14	79.21834	2704.5141276
11	<p><b>miscellaneous (ARM121) : Wall painting with any approved paint 2 coats (Labour only) (Painting) and as directed by Engineer-in-Charge. -</b> Wall painting with any approved paint 2 coats (Labour only) (Painting) and as directed by Engineer-in-Charge.</p>	Sqm	367.1625	6.93	2544.436125
<b>Total Amount (in Rs.): 335049.15561163</b>					

## LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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1	<p><b>Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b>  Earth work in hard soil or gravelly soil foundation &amp; 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>	-	10.179	Cum
i	Un-Skilled	0.516	5.252364	-
2	<p><b>Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed -</b> Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	13.572	Cum
i	Un-Skilled	0.1236	1.6774992	-

3	<p><b>Concrete (AR0303) :</b>  <b>Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal -</b>  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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	13.572	Cum
i	Skilled	0.18	2.44296	-
ii	Un-Skilled	3.9	52.9308	-
4	<p><b>Concrete (AR0307) :</b>  <b>Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum -</b>  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&amp;P required for the work etc. complete as per specificaion and direction of Engineer-in charge.</p>	-	9.09324	Cum
i	Un-Skilled	4.6	41.828904	-

	ii	Skilled	0.68	6.1834032	-
5		<b>miscellaneous (ARM216) : Shuttering in foundation excluding cost of wood (Labour only). (Well Sinking) and as directed by Engineer-in-Charge. -</b> Shuttering in foundation excluding cost of wood (Labour only). (Well Sinking) and as directed by Engineer-in-Charge.	-	6.588	Sqm
6		<b>Other Building Items. (AR1901Aa) : Supplying, fitting and fixing Vitrified Tile 600mmx600mm Coloured /Printed series(Homogeneous) of approved make conforming to IS :13755 with application of polymer modified quick set cement based water resistant adhesive conforming to IS :15477 of 3mm -</b> Supplying, fitting and fixing Vitrified Tile 600mmx600mm Coloured /Printed series(Homogeneous) of approved make conforming to IS :13755 with application of polymer modified quick set cement based water resistant adhesive conforming to IS :15477 of 3mm thick bed and filling joints with white cement of approved quality including cost of all materials, labour ,T&P,etc. required for the work all complete as per direction of Engineer-in-Charge	-	67.2375	Sqm
	i	Un-Skilled	0.216	14.5233	-

	ii	Highly-Skilled	0.216	14.5233	-
7		<b>Flooring (AR0817aa)</b> <b>: Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) -</b> Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.	-	9.09	Sqm
	i	Highly-Skilled	0.325	2.95425	-
	ii	Un-Skilled	0.325	2.95425	-
	iii	Semi-Skilled	0.76	6.9084	-

8	<p><b>Plastering (AR1027) :</b>  <b>6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside) -</b> 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 &amp; P required for the work, etc comp. and as per the direction of the Engineer-in-charge.</p>	-	34.14	Sqm
i	Un-Skilled	0.17	5.8038	-
ii	Skilled	0.14	4.7796	-
9	<p><b>Plastering (AR1004) :</b>  <b>12mm thick cement plaster (1:6) over Brick work in inside -</b> 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 &amp; P required for the work etc. comp.and as per direction of Engineer-in-charge.</p>	-	17.46	Sqm
i	Un-Skilled	0.12	2.0952	-
ii	Skilled	0.14	2.4444	-

10	<b>Other Building Items. (AR1902) : cement based wall putty (water based) -</b> Finishing surface of walls with cement based wall putty (water based) of approved make and finished smooth and even surface to receive painting including cost of scaffolding staging charges with cost of all materials taxes,labour,T&P,etc.complete. and as per the direction of Engineer in Charge.	-	34.14	Sqm
i	Un-Skilled	0.057	1.94598	-
ii	Skilled	0.05	1.707	-
11	<b>miscellaneous (ARM121) : Wall painting with any approved paint 2 coats (Labour only) (Painting) and as directed by Engineer-in-Charge. -</b> Wall painting with any approved paint 2 coats (Labour only) (Painting) and as directed by Engineer-in-Charge.	-	367.1625	Sqm

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	129.0120972	462	59603.5889064
2	Skilled	17.5573632	562	9867.2381184
3	Highly-Skilled	17.47755	612	10696.2606
4	Semi-Skilled	6.9084	512	3537.1008
<b>Total:</b>				<b>83704.1884248</b>

## MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<p><b>Earth Work (AR0102aa) :.Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b></p> <p>Earth work in hard soil or gravelly soil foundation &amp; 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>	-	10.179	Cum
2	<p><b>Earth Work (AR0115) :.Filling foundation and plinth with sand well watered and rammed -</b></p> <p>Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	13.572	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	13.572	1 Cum

3	<p><b>Concrete (AR0303)</b>  <b>:.Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal -</b>  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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	13.572	Cum
i)	<b>BRM340</b> : Cement	2.29	31.07988	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	6.51456	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	13.02912	1 Cum.
4	<p><b>Concrete (AR0307)</b>  <b>:.Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum -</b>  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&amp;P required for the work etc. complete as per specificaion and direction of Engineer-in charge.</p>	-	9.09324	Cum
i)	<b>BRM340</b> : Cement	3.23	29.3711652	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	4.091958	1 Cum

iii)	<b>BRM056</b> : 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	8.183916	1 Cum.
5	<b>miscellaneous(ARM216) :.Shuttering in foundation excluding cost of wood (Labour only). (Well Sinking) and as directed by Engineer-in-Charge. - Shuttering in foundation excluding cost of wood (Labour only). (Well Sinking) and as directed by Engineer-in-Charge.</b>	-	<b>6.588</b>	Sqm
i)	<b>BRMM216</b> : Shuttering in foundation excluding cost of wood (Labour only). (Well Sinking)	1	6.588	Sqm
6	<b>Other Building Items. (AR1901Aa) :.Supplying, fitting and fixing Vitrified Tile 600mmx600mm Coloured /Printed series(Homogeneous) of approved make conforming to IS :13755 with application of polymer modified quick set cement based water resistant adhesive conforming to IS :15477 of 3mm - Supplying, fitting and fixing Vitrified Tile 600mmx600mm Coloured /Printed series(Homogeneous) of approved make conforming to IS :13755 with application of polymer modified quick set cement based water resistant adhesive conforming to IS :15477 of 3mm thick bed and filling joints with white cement of approved quality including cost of all materials, labour ,T&amp;P,etc. required for the work all complete as per direction of Engineer-in-Charge</b>	-	<b>67.2375</b>	Sqm

i)	<b>BRM132</b> : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B la) of sizes Vitrified Tile 600mmx600mm Coloured / Printed series(Homogeneous)	1	67.2375	1 Sqm.
ii)	<b>BRM174</b> : White Cement.	0.0076	0.511005	1Qntl
iii)	<b>BRM256</b> : Adhesive (I.S.I.)	5.4	363.0825	1 Kg
7	<b>Flooring (AR0817aa) :.Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) -</b> Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.	-	<b>9.09</b>	Sqm
i)	<b>BRM131</b> : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B la) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)	1	9.09	1 Sqm.
ii)	<b>BRMMR0027</b> : Wax Polish	1	9.09	1 Sqm
iii)	<b>BRM340</b> : Cement	0.1375	1.249875	1 Qntl.
iv)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	0.13635	1 Cum

8	<b>Plastering (AR1027)</b> :.6mm thick cement <b>Plaster in CM (1:4)</b> <b>over R.C.C. surfaces</b> <b>including chipping</b> <b>(Inside)</b> - 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.	-	<b>34.14</b>	Sqm
i)	<b>BRM340</b> : Cement	0.0372	1.270008	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.0075	0.25605	1 Cum
9	<b>Plastering (AR1004)</b> :.12mm thick cement <b>plster (1:6) over Brick</b> <b>work in inside</b> - 12mm thick cement plster (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.	-	<b>17.46</b>	Sqm
i)	<b>BRM340</b> : Cement	0.0358	0.625068	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	0.2619	1 Cum

10	<b>Other Building Items. (AR1902) :.cement based wall putty (water based) -</b> Finishing surface of walls with cement based wall putty (water based) of approved make and finished smooth and even surface to receive painting including cost of scaffolding staging charges with cost of all materials taxes,labour,T&P,etc.complete. and as per the direction of Engineer in Charge.	-		<b>34.14</b>	Sqm
i)	<b>BRMMR0038</b> : Cement based putty	0.8		27.312	kg
11	<b>miscellaneous(ARM12 1) :.Wall painting with any approved paint 2 coats (Labour only) (Painting) and as directed by Engineer-in-Charge. -</b> Wall painting with any approved paint 2 coats (Labour only) (Painting) and as directed by Engineer-in-Charge.	-		<b>367.1625</b>	Sqm
i)	<b>BRMM121</b> : Wall painting with any approved paint 2 coats (Labour only) (Painting)	1		367.1625	Sqm

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	13.572	1 Cum	397.3	5392.1556
2	<b>BRM340</b>	63.5959962	1 Qntl.	569.387	36210.733488329
3	<b>BRM028</b>	11.260818	1 Cum	403.69	4545.87961842
4	<b>BRM044</b>	13.02912	1 Cum.	2087.16	27193.8580992
5	<b>BRM056</b>	8.183916	1 Cum.	2464.62	20170.24305192
6	<b>BRMM216</b>	6.588	Sqm	4.99	32.87412
7	<b>BRM132</b>	67.2375	1 Sqm.	721.4050011	48505.468761461
8	<b>BRM174</b>	0.511005	1Qntl	2041.967	1043.455346835
9	<b>BRM256</b>	363.0825	1 Kg	215.58	78273.32535
10	<b>BRM131</b>	9.09	1 Sqm.	676.7250011	6151.430259999
11	<b>BRMMR0027</b>	9.09	1 Sqm	8.5	77.265
12	<b>BRMMR0038</b>	27.312	kg	30	819.36
13	<b>BRMM121</b>	367.1625	Sqm	6.93	2544.436125

Total: 230960.48482116

## ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	13.572	1 Cum	158.5	2151.162
2	BRM028	11.260818	1 Cum	158.5	1784.839653
3	BRM044	13.02912	1 Cum.	308	4012.96896
4	BRM056	8.183916	1 Cum.	308	2520.646128
					<b>Total: 10469.616741</b>

## ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for EI Work @ Rs. 10450.8	Rs. 10450.8
2	Provision for Contingency @ Rs. 3500	Rs. 3500
3	Display Citizen Board @ Rs. 1000	Rs. 1000
		<b>Total Addition Component Amount (in Rs.): 14950.8</b>

**Total Net Amount (in Rs.): 349999.95561163**