

ESTIMATION DPR							
State	Odisha	District	Kalahandi	Block	Kokasara	Gram Panchayat	Badapodaguda

Work Code	OD/358/3417/118769/424074/00022613 (Construction Of Market Complex At Bhaliajore)
Project Category	Building

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Kokasara	Proposal Date	-
Date of Commencement	24-10-2025	Date of Completion	-
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Creation of Capital Asset for Revenue Generation
Project Sub-Category	Market Complex	Project Type	New Work
Name of Executant	Ajay Kumar Senapati		

### Administrative Approval Details

Approval No.	OD/358/3417/118769/424074/00022613/AS
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### Technical Sanction Details

Technical Sanction No.	OD/358/3417/118769/424074/00022613/TS
Fund Sanction No.	32
Fund Sanction Amount (in Rs.)	1000000

### 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>	-	32.436	Cum

2	<b>Earth Work (AR0115)</b> :.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.	-	37.317	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	37.317	1 Cum
3	<b>Concrete (AR0303)</b> :.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.	-	8.947	Cum
i)	<b>BRM340</b> : Cement	2.29	20.48863	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	4.29456	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	8.58912	1 Cum.
4	<b>Painting(AR0901a)</b> :.Priming one coat in inner surface with primer of approved quality over <b>woodwork</b> - 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.	-	260.515	Sqm

i)	<b>BRM138</b> : Wood Primer	0.075	19.538625	1 Litre
5	<b>Painting(AR0922)</b> :.Finishing wall two coats with distemper of approved shades on new work (Inside) - Finishing wall two coats with distemper 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)	-	<b>152.55</b>	Sqm
i)	<b>BRM142</b> : Distemper	0.25	38.1375	1 Kg.
6	<b>Flooring (AR0802i)</b> :.2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips - 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.	-	<b>47.7875</b>	Sqm
i)	<b>BRM340</b> : Cement	0.0858	4.1001675	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.012	0.57345	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)	0.023	1.0991125	1 Cum.

7	<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 & P required for the work etc. comp.and as per direction of Engineer-in-charge.	-	<b>128.85</b>	Sqm
i)	<b>BRM340</b> : Cement	0.0358	4.61283	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	1.93275	1 Cum
8	<b>Plastering (AR1014)</b> <b>::16mm thick cement Plaster in CM (1:6) over brick work in inside.</b> - 16mm thick cement Plaster in CM (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>133.65</b>	Sqm
i)	<b>BRM340</b> : Cement	0.043	5.74695	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	2.4057	1 Cum

9	<b>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 -</b> 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.	-	28	Qntl
i)	<b>BRM162</b> : Binding Wire.	0.8	22.4	1 Kg.
ii)	<b>BRM341</b> : Steel	1.05	29.4	1 Qntl.
10	<b>R.C.C. Work (AR0410c) :.R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc -</b> 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	-	43.825	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.11701275	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.126	5.52195	1Mtr.

11	<b>R.C.C. Work (AR0410d) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting</b> - Rigid and smooth centering 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. beams, column, girder and bressmer, etc. Data for 4.2sqm	-	<b>66.9675</b>	Sqm
i)	<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.55238095238095	36.991571428571	1Mtr
ii)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051904761904762	0.34759321428571	1Cum.
12	<b>R.C.C. Work (AR0410a) : Centring &amp; Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas</b> - Rigid and smooth centering 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. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height	-	<b>53.565</b>	Sqm
i)	<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.622222222222222	33.3293333333333	1Mtr
ii)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0050222222222222	0.269015333333333	1Cum.

13	<b>R.C.C. Work (AR0410e) :.Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting - 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. Lintels Data for 7.8 sqm</b>	-	10.17	Sqm
i)	<b>BRM094</b> : Non-sal bullahs 125mm. mean dia of any length.	0.26923076923077	2.7380769230769	1Mtr.
ii)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0052948717948718	0.053848846153846	1Cum.
14	<b>R.C.C. Work (AR0404A) :.Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips - Reinforced cement concrete work of M-20 grade with 20mm &amp; 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)</b>	-	23.8515625	Cum
i)	<b>BRM340</b> : Cement	3.4733	82.84363203125	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	10.733203125	1 Cum

iii)	<b>BRM060</b> : 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	8.5865625	1 Cum.
iv)	<b>BRM052</b> : 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	12.87984375	1 Cum.
15	<b>Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth</b> - 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/cm <sup>2</sup> with dimensional tolerance $\pm 8$ 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.	-	<b>20.2040625</b>	Cum
i)	<b>BRM340</b> : Cement	0.672	13.57713	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	5.6571375	1 Cum
iii)	<b>BRM005</b> : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm <sup>2</sup> with dimensional tolerance $\pm 2$ %	350	7071.421875	1000 Nos

16	<p><b>Masonry Brick Work (AR0603bi) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure -</b> 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/cm<sup>2</sup> 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&amp;P required for the work, etc. complete and as per direction of Engineer-in-charge.</p>	-	27.39125	Cum
i)	<p><b>BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK</b></p>	1	27.39125	1 Cum
ii)	<p><b>BRM340 : Cement</b></p>	0.672	18.40692	1 Qntl.
iii)	<p><b>BRM028 : Screened and washed sharp sand for mortar</b></p>	0.28	7.66955	1 Cum
iv)	<p><b>BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm<sup>2</sup> with dimensional tolerance ± 2 %</b></p>	350	9586.9375	1000 Nos
17	<p><b>Painting(AR0918i) :.Two coat waterproofing cement paint on the outer surface -</b> Finishing wall waterproofing cement paint on the outer surface of approved shade on new work two coats to give an even shade including all costs of labour, Paint and Brushes required for the work, etc. complete and as per direction of Engineer-in-charge.</p>	-	127.955	Sqm
i)	<p><b>BRM143 : Cement paint</b></p>	0.25	31.98875	1 Kg.

18	<b>Plastering (AR1017) :.20mm thick cement Plaster in CM (1:4) over masonry work in inside. - 20mm thick cement Plaster in CM (1:4) over stone 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.</b>	-	<b>61.8625</b>	Sqm
i)	<b>BRM340 : Cement</b>	0.0744	4.60257	1 Qntl.
ii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.021	1.2991125	1 Cum

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	37.317	1 Cum	478.15	17843.12355
2	<b>BRM340</b>	154.37882953125	1 Qntl.	611.157	94349.70231983
3	<b>BRM028</b>	34.565463125	1 Cum	483.09	16698.229581056
4	<b>BRM044</b>	8.58912	1 Cum.	1401.46	12037.3081152
5	<b>BRM138</b>	19.538625	1 Litre	155.44677	3037.2161464913
6	<b>BRM142</b>	38.1375	1 Kg.	70.46677	2687.426440875
7	<b>BRM056</b>	1.0991125	1 Cum.	1802.83	1981.512988375
8	<b>BRM162</b>	22.4	1 Kg.	90.1	2018.24
9	<b>BRM341</b>	29.4	1 Qntl.	5290.907	155552.6658
10	<b>BRM104</b>	0.78747014377289	1Cum.	58668.206	46199.460613718
11	<b>BRM092</b>	5.52195	1Mtr.	324.226	1790.3597607
12	<b>BRM084</b>	70.320904761905	1Mtr	345.286	24280.823921619
13	<b>BRM094</b>	2.7380769230769	1Mtr.	335.226	917.87457461538
14	<b>BRM060</b>	8.5865625	1 Cum.	1801.21	15466.202240625
15	<b>BRM052</b>	12.87984375	1 Cum.	1786.21	23006.105704688
16	<b>BRM005</b>	16658.359375	1000 Nos	6.30115	104966.82117578
17	<b>BRMMR0025</b>	27.39125	1 Cum	33	903.91125
18	<b>BRM143</b>	31.98875	1 Kg.	48.19677	1541.7544263375

**Total: 525278.73860991**