

ESTIMATION DPR							
State	Odisha	District	Kalahandi	Block	Narala	Gram Panchayat	Gadebandha

Work Code	OD/358/3420/118829/422752/00022632 (Construction Of Market Complex In Gadebandha Gp)
Project Category	Building

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Narala	Proposal Date	-
Date of Commencement	18-11-2025	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	MANOJ KUMAR MOHANTA		

Administrative Approval Details

Approval No.	OD/358/3420/118829/422752/00022632/AS
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Technical Sanction Details

Technical Sanction No.	OD/358/3420/118829/422752/00022632/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	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	-	36.756	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.	-	36.966	Cum
i)	BRM029 : Sand for filling and road blinding	1	36.966	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.	-	10.066	Cum
i)	BRM340 : Cement	2.29	23.05114	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	4.83168	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	9.66336	1 Cum.

4	<p>Masonry Brick Work (AR0603e) :C.B. Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth - Brickwork with C.B. Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth 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>	-	18.8175	Cum
i)	<p>BRM002 : Well burnt clamp burnt bricks (23 Cm. x 11Cm. x 8Cm.) having crushing strength not less than 35 Kg./Cm² with dimensional tolerance ± 8 percent.</p>	400	7527	1000 Nos
ii)	<p>BRM340 : Cement</p>	0.672	12.64536	1 Qntl.
iii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.28	5.2689	1 Cum

5	R.C.C. Work (AR0404A) :.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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)	-	21.5115	Cum
i)	BRM340 : Cement	3.4733	74.71589295	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	9.680175	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	7.74414	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	11.61621	1 Cum.

6	<p>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.</p>	-	19.35	Qntl
i)	BRM162 : Binding Wire.	0.8	15.48	1 Kg.
ii)	BRM341 : Steel	1.05	20.3175	1 Qntl.
7	<p>Masonry Brick Work (AR0603ei) :.C.B. Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in superstructure - Brickwork with C.B. 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>	-	23.249375	Cum
i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	23.249375	1 Cum
ii)	BRM002 : Well burnt clamp burnt bricks (23 Cm. x 11Cm. x 8Cm.) having crushing strength not less than 35 Kg./Cm ² with dimensional tolerance ± 8 percent.	400	9299.75	1000 Nos

iii)	BRM340 : Cement	0.672	15.62358	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.28	6.509825	1 Cum
8	R.C.C. Work (AR0410c) :R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - 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	-	28.7	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.076629	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	3.6162	1Mtr.
9	R.C.C. Work (AR0410d) :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. beams, column, grider and bressmer, etc. Data for 4.2sqm	-	44.4	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.55238095238095	24.525714285714	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051904761904762	0.23045714285714	1Cum.

10	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	-	16.075	Sqm
i)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.26923076923077	4.3278846153846	1Mtr.
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0052948717948718	0.085115064102564	1Cum.
11	R.C.C. Work (AR0410a) :.Centring & Shuttering for R.C.C. floor and roof slabs, landings,balconies, projecting sun shades and chajjas - 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. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height	-	71.815	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.622222222222222	44.6848888888889	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0050222222222222	0.360670888888889	1Cum.

12	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.	-	95.58	Sqm
i)	BRM340 : Cement	0.0358	3.421764	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.4337	1 Cum
13	Plastering (AR1014) :.16mm thick cement Plaster in CM (1:6) over brick work in inside. - 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.	-	150.78	Sqm
i)	BRM340 : Cement	0.043	6.48354	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	2.71404	1 Cum

14	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.	-	210.48	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	17.68032	1 Ltr
15	Painting(AR0901di) :.Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface) - Priming one coat with outer 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.	-	139.32	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	12.583741935484	1 Ltr

16	<p>Painting(AR0918f) :.Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside) - Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)</p>	-	121.68	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	15.21	1 Ltr
17	<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>	-	210.48	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	26.31	1 Litre
18	<p>Painting(AR0903b) :.Painting two coats of enamel paint with a coat of red oxide primer over iron surface - Painting two coats of enamel paint with a coat of red oxide primer over iron surface including all costs of labour, Paint, Primer, brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.</p>	-	39.69	Sqm
i)	BRM137 : Red oxide Primer	0.054	2.14326	1 Litre
ii)	BRM141 : Enamel paint	0.125	4.96125	1 Litre

19	<p>Other Building Items. (AR1901B) :.Vitrified Tile 600mmx600mm Plain Ivory - Supplying, fitting & fixing Vitrified Tile 600mmx600mm Plain Ivory in floors of size 600mm x 600 mm 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 materials, taxes, labour, T&P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)</p>	-	49.28	Sqm
i)	BRM174 : White Cement.	0.0076	0.374528	1Qntl
ii)	BRM340 : Cement	0.1074	5.292672	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.021	1.03488	1 Cum
iv)	BRM131 : 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	49.28	1 Sqm.
20	<p>Flooring (AR0816j) :.Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 - Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 (1cement: 1sand) jointed with neat cement slurry mixed with pigment to match the shades of the Chequered tiles including rubbing and polishing, cost of precast tiles complete as per direction of Enginer-in-charge.</p>	-	13.9125	Sqm
i)	BRM134 : Chequered Tiles.	1	13.9125	1 Sqm.

ii)	BRMMR0027 : Wax Polish	1	13.9125	1 Sqm
iii)	BRM340 : Cement	0.2737	3.80785125	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.013	0.1808625	1 Cum
21	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.	-	8.4	Qntl
i)	BRM341 : Steel	1	8.4	1 Qntl.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	36.966	1 Cum	373.99	13824.91434
2	BRM340	145.0418002	1 Qntl.	611.157	88643.311484831
3	BRM028	31.6540625	1 Cum	678.39	21473.799459375
4	BRM044	9.66336	1 Cum.	1661.86	16059.1514496
5	BRM002	16826.75	1000 Nos	4.92297	82837.5854475
6	BRM060	7.74414	1 Cum.	2061.61	15965.3964654
7	BRM052	11.61621	1 Cum.	2046.61	23773.8515481
8	BRM162	15.48	1 Kg.	90.1	1394.748
9	BRM341	28.7175	1 Qntl.	5290.907	151941.6217725
10	BRMMR0025	23.249375	1 Cum	33	767.229375
11	BRM104	0.7528720958486	1Cum.	58573.086	44098.04201714
12	BRM092	3.6162	1Mtr.	229.106	828.4931172
13	BRM084	69.210603174603	1Mtr	250.166	17314.139753778
14	BRM094	4.3278846153846	1Mtr.	240.106	1039.1510634615
15	BRM253	30.264061935484	1 Ltr	159.39677	4823.9937195961
16	BRM255	15.21	1 Ltr	189.86677	2887.8735717
17	BRM140	26.31	1 Litre	249.70677	6569.7851187
18	BRM137	2.14326	1 Litre	143.06677	306.6292854702
19	BRM141	4.96125	1 Litre	205.70677	1020.5627126625
20	BRM174	0.374528	1Qntl	2053.857	769.226954496
21	BRM131	49.28	1 Sqm.	663.9538891	32719.647654848

22	BRM134	13.9125	1 Sqm.	254.75	3544.209375
23	BRMMR0027	13.9125	1 Sqm	8.5	118.25625
					Total: 532721.61993636