

ESTIMATION DPR							
State	Odisha	District	Sundargarh	Block	Lephipara	Gram Panchayat	Giringkela

Work Code	OD/373/3584/121696/383683/00022938 (Construction Of Market complex with Shed At Giringikela)
Project Category	Building

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Lephipara	Proposal Date	-
Date of Commencement	09-10-2025	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	Sikha Seth		

Administrative Approval Details

Approval No.	OD/373/3584/121696/383683/00022938/AS
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Technical Sanction Details

Technical Sanction No.	OD/373/3584/121696/383683/00022938/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	-	35.70122395552	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.	-	13.27536041376	Cum
i)	BRM029 : Sand for filling and road blinding	1	13.27536041376	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.	-	10.6466460332	Cum
i)	BRM340 : Cement	2.29	24.380819416028	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	5.110390095936	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	10.220780191872	1 Cum.

4	Masonry Brick Work (AR0603c) :.Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth - Brickwork with Flyash 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.	-	7.50578692864	Cum
i)	BRM006 : Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance ± 2 %	400	3002.314771456	1000 Nos
ii)	BRM340 : Cement	0.672	5.0438888160461	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	2.1016203400192	1 Cum
5	Masonry Brick Work (AR0603ci) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - Brickwork with Flyash 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.	-	13.509449736	Cum

i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	13.509449736	1 Cum
ii)	BRM006 : Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance ± 2 %	400	5403.7798944	1000 Nos
iii)	BRM340 : Cement	0.672	9.078350222592	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.28	3.78264592608	1 Cum
6	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.	-	21.53	Qntl
i)	BRM162 : Binding Wire.	0.8	17.224	1 Kg.
ii)	BRM341 : Steel	1.05	22.6065	1 Qntl.

7	R.C.C. Work (AR0404Aa) :.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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)	-	6.555197616	Cum
i)	BRM340 : Cement	3.4733	22.768167879653	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.9498389272	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	2.35987114176	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	3.53980671264	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.02625356645208	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.189	1.238932349424	1Mtr.

8	R.C.C. Work (AR0404Ab) :.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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Plinth band)	-	2.904029424	Cum
i)	BRM340 : Cement	3.4733	10.086565398379	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.3068132408	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	1.04545059264	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	1.56817588896	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.01335	0.0387687928104	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.63	1.82953853712	1Mtr.

9	R.C.C. Work (AR0404Ac) ∴ 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. (including centring and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder & Bressmer etc)	-	2.99456106528	Cum
i)	BRM340 : Cement	3.4733	10.401008948037	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.347552479376	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	1.0780419835008	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	1.6170629752512	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	4.4196	13.234762084111	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.041529	0.12436112648001	1Cum.

10	R.C.C. Work (AR0404Ad) ∴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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Lintels)	-	1.313120808	Cum
i)	BRM340 : Cement	3.4733	4.5608625024264	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.5909043636	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	0.47272349088	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	0.70908523632	1 Cum.
v)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	3.7695	4.949808885756	1Mtr.
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0741335	0.097346241419868	1Cum.

11	R.C.C. Work (AR0404Ag) :.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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)	-	8.89619277888	Cum
i)	BRM340 : Cement	3.4733	30.899146378884	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	4.003286750496	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	3.2026294003968	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	4.8039441005952	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	6.2216	55.34855299308	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0502172	0.44674189201557	1Cum.

12	Concrete (AR0317) :.2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips - 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting 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. (new work)	-	71.18785278	Sqm
i)	BRM340 : Cement	0.1208	8.599492615824	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0169	1.203074711982	1 Cum
iii)	BRM064 : Granite stone broken chips of 4.7 mm size passing through 6.7 mm sieve (crusher broken.) and retained on 2.36 mm sieve.	0.0169	1.203074711982	1 Cum.
13	Plastering (AR1004) :.12mm thick cement plster (1:6) over Brick work in inside - 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.	-	87.3845618	Sqm
i)	BRM340 : Cement	0.0358	3.12836731244	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.310768427	1 Cum

14	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.	-	136.56741	Sqm
i)	BRM340 : Cement	0.043	5.87239863	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	2.45821338	1 Cum
15	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.	-	77.673875725	Sqm
i)	BRM340 : Cement	0.0372	2.88946817697	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0075	0.5825540679375	1 Cum

16	Painting(AR0922) ∴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)	-	195.17248046	Sqm
i)	BRM142 : Distemper	0.25	48.793120115	1 Kg.
17	Painting(AR0918Ai) ∴Finishing wall one coat with weather coat - Finishing wall one coat with weather coat including all costs of labour, Paint, Primer and Brushes required for the work etc. complete and as per direction of Engineer-in-charge.	-	79.9523218	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.075	5.996424135	1 Ltr
18	Masonry Brick Work (AR0602ci) ∴Brickwork with Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:4) in superstructure having crushing strength not less than 75.00 Kg/cm2 - Brickwork with Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:4) 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.	-	2.84442256	Cum

i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	2.84442256	1 Cum
ii)	BRM006 : Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance ± 2 %	400	1137.769024	1000 Nos
iii)	BRM340 : Cement	1	2.84442256	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.28	0.7964383168	1 Cum
19	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)	-	57.4046615067	Sqm
i)	BRM174 : White Cement.	0.0076	0.43627542745092	1Qntl
ii)	BRM340 : Cement	0.1074	6.1652606458196	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.021	1.2054978916407	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 Ia) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)	1	57.4046615067	1 Sqm.

20	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) - 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.	-	9.34418374	Sqm
i)	BRM131 : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B Ia) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)	1	9.34418374	1 Sqm.
ii)	BRMMR0027 : Wax Polish	1	9.34418374	1 Sqm
iii)	BRM340 : Cement	0.1375	1.28482526425	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.1401627561	1 Cum
21	Painting(AR0903i) :.Painting two coats of enamel paint in outer surface paint (outer surface) - Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	-	35.117334	Sqm
i)	BRM141 : Enamel paint	0.125	4.38966675	1 Litre

22	Other Building Items. (AR1902) :.cement based wall putty (water based) - 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.	-	292.11118678	Sqm
i)	BRMMR0038 : Cement based putty	0.8	233.688949424	kg
23	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.	-	295.03763128	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	24.78316102752	1 Ltr

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	13.27536041376	1 Cum	738.55	9804.5174335824
2	BRM340	148.00304476735	1 Qntl.	576.347	85301.110842527
3	BRM028	28.889761674967	1 Cum	743.49	21479.248907722
4	BRM044	10.220780191872	1 Cum.	1596.76	16320.132979174
5	BRM006	9543.863689856	1000 Nos	5.36398	51193.093955114
6	BRMMR0025	16.353872296	1 Cum	33	539.677785768
7	BRM162	17.224	1 Kg.	90.1	1551.8824
8	BRM341	22.6065	1 Qntl.	6679.877	151008.6394005
9	BRM060	8.1587166091776	1 Cum.	1991.51	16248.165714343
10	BRM052	12.238074913766	1 Cum.	1983.8	24277.89301393
11	BRM104	0.73347161917793	1Cum.	58810.886	43136.115779709

12	BRM092	3.068470886544	1Mtr.	466.906	1432.6874677527
13	BRM084	68.583315077191	1Mtr	487.966	33466.325924957
14	BRM094	4.949808885756	1Mtr.	477.906	2365.5433653561
15	BRM064	1.203074711982	1 Cum.	1451.71	1746.5155901314
16	BRM142	48.793120115	1 Kg.	70.34787	3432.4920707444
17	BRM255	5.996424135	1 Ltr	195.03787	1169.529790907
18	BRM174	0.43627542745092	1Qntl	2024.787	883.36481392207
19	BRM131	66.7488452467	1 Sqm.	667.7830561	44573.747869987
20	BRMMR0027	9.34418374	1 Sqm	8.5	79.42556179
21	BRM141	4.38966675	1 Litre	205.58787	902.46223714232
22	BRMMR0038	233.688949424	kg	30	7010.66848272
23	BRM253	24.78316102752	1 Ltr	159.27787	3947.4091003304

Total: 521870.65048811