

ESTIMATION DPR							
State	Odisha	District	Sambalpur	Block	Kuchinda	Gram Panchayat	Telitleimal

Work Code	OD/371/3562/121365/381575/00022880 (Const of Market Complex at Kaputikira, Telitleimal GP)
Project Category	Building

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Kuchinda	Proposal Date	-
Date of Commencement	20-03-2026	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	Prakash Kumar Ping		

Administrative Approval Details

Approval No.	OD/371/3562/121365/381575/00022880/AS
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Technical Sanction Details

Technical Sanction No.	OD/371/3562/121365/381575/00022880/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	-	39.345	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.	-	52.590475	Cum
i)	BRM029 : Sand for filling and road blinding	1	52.590475	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.	-	12.11392	Cum
i)	BRM340 : Cement	2.29	27.7408768	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	5.8146816	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	11.6293632	1 Cum.

4	<p>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.</p>	-	35.621944	Cum
i)	<p>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 %</p>	400	14248.7776	1000 Nos
ii)	<p>BRM340 : Cement</p>	0.672	23.937946368	1 Qntl.
iii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.28	9.97414432	1 Cum
5	<p>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.</p>	-	20.29152	Cum

i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	20.29152	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./Cm ² with dimensional tolerance ± 2 %	400	8116.608	1000 Nos
iii)	BRM340 : Cement	0.672	13.63590144	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.28	5.6816256	1 Cum
6	R.C.C. Work (AR0404B) :.Reinforced cement concrete work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips.(Nominal mix as per IS-456, Table-9). - R.C.C. work of M-20 grade with 20mm & downgrade 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(Nominal mix as per IS-456, Table-9).	-	24.050393	Cum
i)	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	8.65814148	1 Cum.

ii)	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	12.98721222	1 Cum.
iii)	BRM340 : Cement	3.4733	83.5342300069	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.45	10.82267685	1 Cum
7	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.	-	22.8475	Qntl
i)	BRM162 : Binding Wire.	0.8	18.278	1 Kg.
ii)	BRM341 : Steel	1.05	23.989875	1 Qntl.
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	-	43.45702	Sqm

i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.1160302434	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	5.47558452	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	-	26.54614	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.55238095238095	14.663582095238	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051904761904762	0.13778710761905	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	-	20.0733	Sqm
i)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.26923076923077	5.40435	1Mtr.
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0052948717948718	0.10628555	1Cum.

11	<p>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</p>	-	99.3273	Sqm
i)	<p>BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.</p>	0.622222222222222	61.8036533333333	1Mtr
ii)	<p>BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)</p>	0.005022222222222	0.498843773333333	1Cum.
12	<p>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.</p>	-	9.765	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 la) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)	1	9.765	1 Sqm.
ii)	BRMMR0027 : Wax Polish	1	9.765	1 Sqm
iii)	BRM340 : Cement	0.1375	1.3426875	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.146475	1 Cum
13	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)	-	54.3935	Sqm
i)	BRM174 : White Cement.	0.0076	0.4133906	1Qntl
ii)	BRM340 : Cement	0.1074	5.8418619	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.021	1.1422635	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	54.3935	1 Sqm.

14	<p>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.</p>	-	201.7185	Sqm
i)	BRMMR0038 : Cement based putty	0.8	161.3748	kg
15	<p>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.</p>	-	128.755	Sqm
i)	BRM340 : Cement	0.0358	4.609429	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.931325	1 Cum
16	<p>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.</p>	-	118.833	Sqm
i)	BRM340 : Cement	0.043	5.109819	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	2.138994	1 Cum
17	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.	-	201.7185	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	16.944354	1 Ltr
18	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.	-	128.755	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	11.629483870968	1 Ltr

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	52.590475	1 Cum	411.11	21620.47017725
2	BRM340	165.7527520149	1 Qntl.	566.787	93946.505056269
3	BRM028	37.65218587	1 Cum	417.99	15738.237171801
4	BRM044	11.6293632	1 Cum.	1486.41	17286.001754112
5	BRM006	22365.3856	1000 Nos	5.36398	119967.48105069
6	BRMMR0025	20.29152	1 Cum	33	669.62016
7	BRM060	8.65814148	1 Cum.	1955.08	16927.359244718

8	BRM052	12.98721222	1 Cum.	1918.7	24918.564086514
9	BRM162	18.278	1 Kg.	90	1645.02
10	BRM341	23.989875	1 Qntl.	6429.527	154243.54903913
11	BRM104	0.85894667435238	1Cum.	58573.086	50311.157426256
12	BRM092	5.47558452	1Mtr.	229.106	1254.4892670391
13	BRM084	76.467235428571	1Mtr	250.166	19129.502418224
14	BRM094	5.40435	1Mtr.	240.106	1297.6168611
15	BRM131	64.1585	1 Sqm.	659.6011111	42319.017886509
16	BRMMR0027	9.765	1 Sqm	8.5	83.0025
17	BRM174	0.4133906	1Qntl	2024.787	837.0279128022
18	BRMMR0038	161.3748	kg	30	4841.244
19	BRM253	28.573837870968	1 Ltr	159.27787	4551.1800338131

Total: 591587.04604622