

ESTIMATION DPR							
State	Odisha	District	Jagatsinghpur	Block	Erasama	Gram Panchayat	Bamadeipur

Work Code	OD/355/3388/118095/397273/00054768 (Provision of Facility Centre at Bamadeipur GP Hqrs)
Project Category	Building

Financial Year	2022-23	Execution Level	PS
Executing Agency	Panchayat Samiti, Erasama	Proposal Date	-
Date of Commencement	06-11-2025	Date of Completion	-
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Provision of Facilities at GP Head Quarter
Project Sub-Category	GP Facility Centre	Project Type	New Work
Name of Executant	Manasmita Mishra		

Administrative Approval Details

Approval No.	OD/355/3388/118095/397273/00054768/AS
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Technical Sanction Details

Technical Sanction No.	OD/355/3388/118095/397273/00054768/TS
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	1000000

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	R.C.C. Work (AR0404B) :.First floor - 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).	-	19.286625	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	6.943185	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	10.4147775	1 Cum.
iii)	BRM340 : Cement	3.4733	66.9882346125	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.45	8.67898125	1 Cum
2	R.C.C. Work (AR0409) :.First floor - 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	Qntl
i)	BRM162 : Binding Wire.	0.8	16.8	1 Kg.
ii)	BRM341 : Steel	1.05	22.05	1 Qntl.
3	Masonry Brick Work (AR0603bi) :.First floor - 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 ² 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.	-	21.121875	Cum

i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	21.121875	1 Cum
ii)	BRM340 : Cement	0.672	14.1939	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	5.914125	1 Cum
iv)	BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance \pm 2 %	350	7392.65625	1000 Nos
4	Concrete (AR0317) : First floor - 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 specification and direction of Engineer-in charge. (new work)	-	90	Sqm
i)	BRM340 : Cement	0.1208	10.872	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0169	1.521	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	1.521	1 Cum.
5	R.C.C. Work (AR0410d) : First floor - 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, girder and bressmer, etc. Data for 4.2sqm	-	58.97	Sqm

i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.66285714285714	39.088685714286	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0062285714285714	0.36729885714286	1Cum.
6	R.C.C. Work (AR0410e) :.First floor - 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	-	19.23	Sqm
i)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.32307692307692	6.2127692307692	1Mtr.
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0063538461538462	0.12218446153846	1Cum.
7	R.C.C. Work (AR0410a) :.First floor - 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	-	90.14	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.74666666666667	67.3045333333333	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0060266666666667	0.543243733333333	1Cum.

8	Plastering (AR1027) :.First Floor - 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.	-	86.64	Sqm
i)	BRM340 : Cement	0.0372	3.223008	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0075	0.6498	1 Cum
9	Plastering (AR1004) :.First Floor - 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.	-	99.9025	Sqm
i)	BRM340 : Cement	0.0358	3.5765095	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.4985375	1 Cum
10	Plastering (AR1014) :.First Floor - 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.	-	151.9725	Sqm
i)	BRM340 : Cement	0.043	6.5348175	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	2.735505	1 Cum

11	<p>Other Building Items. (AR1901B) :.First floor - 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>	-	77.23	Sqm
i)	BRM174 : White Cement.	0.0076	0.586948	1Qntl
ii)	BRM340 : Cement	0.1074	8.294502	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.021	1.62183	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	77.23	1 Sqm.
12	<p>Flooring (AR0817a) :.First floor - Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) 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 ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge</p>	-	30.45	Sqm
i)	BRMMR0027 : Wax Polish	1	30.45	1 Sqm

ii)	BRM130 : Tiles up to 30cm x 30cm / 40cm x 40cm special plain / printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755	1	30.45	1 Sqm.
iii)	BRM340 : Cement	0.1375	4.186875	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.45675	1 Cum
13	Painting(AR0901d) :.First Floor - 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.	-	342	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	28.728	1 Ltr
14	Other Building Items. (AR1902) :.First Floor - 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.	-	123.5	Sqm
i)	BRMMR0038 : Cement based putty	0.8	98.8	kg
15	Painting(AR0921) :.First Floor - Finishing wall One Coat with distemper of approved shades on old 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)	-	123.5	Sqm

i)	BRM142 : Distemper	0.166	20.501	1 Kg.
16	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.	-	5.2155	Qntl
i)	BRM341 : Steel	1	5.2155	1 Qntl.
17	Painting(AR0903i) :.First Floor - 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)	-	40.775625	Sqm
i)	BRM141 : Enamel paint	0.125	5.096953125	1 Litre

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM060	6.943185	1 Cum.	2970.58	20625.2864973
2	BRM052	10.4147775	1 Cum.	2934.2	30559.0401405
3	BRM340	117.8698466125	1 Qntl.	613.327	72292.759413305
4	BRM028	23.07652875	1 Cum	790.4	18239.688324
5	BRM162	16.8	1 Kg.	90.1	1513.68
6	BRM341	27.2655	1 Qntl.	6623.097	180582.0512535
7	BRMMR0025	21.121875	1 Cum	33	697.021875
8	BRM005	7392.65625	1000 Nos	7.00795	51807.365367187
9	BRM064	1.521	1 Cum.	2402.11	3653.60931
10	BRM084	106.39321904762	1Mtr	250.166	26615.966036267
11	BRM104	1.0327270520147	1Cum.	58573.086	60490.010432181
12	BRM094	6.2127692307692	1Mtr.	240.106	1491.7231689231
13	BRM174	0.586948	1Qntl	2041.967	1198.528446716
14	BRM131	77.23	1 Sqm.	665.9175559	51428.812842157
15	BRMMR0027	30.45	1 Sqm	8.5	258.825
16	BRM130	30.45	1 Sqm.	464.9175559	14156.739577155
17	BRM253	28.728	1 Ltr	159.27787	4575.73464936

18	BRMMR0038	98.8	kg	30	2964
19	BRM142	20.501	1 Kg.	70.34787	1442.20168287
20	BRM141	5.096953125	1 Litre	205.58787	1047.8717364586
					Total: 545640.91575288