

ESTIMATION DPR							
State	Odisha	District	Kalahandi	Block	Dharamagarh	Gram Panchayat	Bramhanchhendra

Work Code	OD/358/3410/118629/423938/00060124 (CREATION OF BANKING INFRASTRUCTURE AT BRAHMANCHHENDIA GP)
Project Category	Building

Financial Year	2022-23	Execution Level	PS
Executing Agency	Panchayat Samiti, Dharamagarh	Proposal Date	05-09-2023
Date of Commencement	25-01-2026	Date of Completion	-
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Infrastructure for Banking Facilities at GP Hqrs
Project Sub-Category	Banking Facility Building	Project Type	New Work
Name of Executant	JYOTIPRAKASH PRADHAN		

Administrative Approval Details

Approval No.	OD/358/3410/118629/423938/00060124/AS
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Technical Sanction Details

Technical Sanction No.	OD/358/3410/118629/423938/00060124/TS
Fund Sanction No.	4595
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	Masonry Brick Work (AR0603ci) :.First floor - 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/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.	-	24.8118	Cum

i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	24.8118	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 \pm 2 %	400	9924.72	1000 Nos
iii)	BRM340 : Cement	0.672	16.6735296	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.28	6.947304	1 Cum
2	R.C.C. Work (AR0404Ac) :.First Floor - 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)	-	8.7417	Cum
i)	BRM340 : Cement	3.4733	30.36254661	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	3.933765	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	3.147012	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	4.720518	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	5.30352	46.361780784	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0498348	0.43564087116	1Cum.
3	R.C.C. Work (AR0404Ad) : First Floor - 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)	-	1.3975	Cum
i)	BRM340 : Cement	3.4733	4.85393675	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.628875	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	0.5031	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	0.75465	1 Cum.

v)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	4.5234	6.3214515	1Mtr.
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0889602	0.1243218795	1Cum.
4	R.C.C. Work (AR0404Ag) :.First Floor - 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)	-	14.8707375	Cum
i)	BRM340 : Cement	3.4733	51.65053255875	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	6.691831875	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	5.3534655	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	8.03019825	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	7.46592	111.023736516	1Mtr

vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.06026064	0.896120159022	1Cum.
5	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.	-	135.679	Sqm
i)	BRM340 : Cement	0.0358	4.8573082	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	2.035185	1 Cum
6	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.	-	62.655	Sqm
i)	BRM340 : Cement	0.043	2.694165	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	1.12779	1 Cum
7	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.	-	222.435	Sqm

i)	BRMMR0038 : Cement based putty	0.8	177.948	kg
8	Painting(AR0918c) :First Floor - Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new 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)	-	12.604986137	Sqm
i)	BRM143 : Cement paint	0.25	3.15124653425	1 Kg.
ii)	BRM340 : Cement	0.010763440860215	0.13567302282943	1 Qntl.
9	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.	-	12.331479705	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	1.03584429522	1 Ltr
10	Painting(AR0920) :First Floor - 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)	-	12.331479705	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	1.541434963125	1 Litre

11	Painting(AR0918Ai) :.First Floor - 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.	-	5.957590681	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.075	0.446819301075	1 Ltr
12	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.	-	2.7494	Qntl
i)	BRM341 : Steel	1	2.7494	1 Qntl.
13	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.	-	24	Qntl
i)	BRM162 : Binding Wire.	0.8	19.2	1 Kg.
ii)	BRM341 : Steel	1.05	25.2	1 Qntl.

14	<p>Flooring (AR0816) :.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 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 ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.</p>	-	100.1	Sqm
i)	BRMMR0027 : Wax Polish	1	100.1	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	100.1	1 Sqm.
iii)	BRM340 : Cement	0.2737	27.39737	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.013	1.3013	1 Cum
15	<p>Flooring (AR0817aa) :.First floor - 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>	-	6.57	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	6.57	1 Sqm.
ii)	BRMMR0027 : Wax Polish	1	6.57	1 Sqm
iii)	BRM340 : Cement	0.1375	0.903375	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.09855	1 Cum

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRMMR0025	24.8118	1 Cum	33	818.7894
2	BRM006	9924.72	1000 Nos	5.1291	50904.881352
3	BRM340	139.52843674158	1 Qntl.	614.177	85695.156692633
4	BRM028	22.764600875	1 Cum	483.09	10997.351036704
5	BRM060	9.0035775	1 Cum.	1801.21	16217.333828775
6	BRM052	13.50536625	1 Cum.	1786.21	24123.420249413
7	BRM084	157.3855173	1Mtr	250.166	39372.505320872
8	BRM104	1.456082909682	1Cum.	58573.086	85287.269491934
9	BRM094	6.3214515	1Mtr.	240.106	1517.818433859
10	BRMMR0038	177.948	kg	30	5338.44
11	BRM143	3.15124653425	1 Kg.	48.19677	151.87990442454
12	BRM253	1.03584429522	1 Ltr	159.39677	165.11023488099
13	BRM140	1.541434963125	1 Litre	249.70677	384.90674580701
14	BRM255	0.446819301075	1 Ltr	189.86677	84.836137468768
15	BRM341	27.9494	1 Qntl.	6212.077	173623.8249038
16	BRM162	19.2	1 Kg.	90.1	1729.92
17	BRMMR0027	106.67	1 Sqm	8.5	906.695
18	BRM130	100.1	1 Sqm.	462.9538891	46341.68429891
19	BRM131	6.57	1 Sqm.	663.9538891	4362.177051387

Total: 548024.00008287