

ESTIMATION DPR							
State	Odisha	District	Sundargarh	Block	Bonaigarh	Gram Panchayat	Jakeikela

Work Code	OD/373/3576/121570/385148/00039770 (Maintenance of community centre at Jakeikela near UP School)
Project Category	Building

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Bonaigarh	Proposal Date	05-07-2025
Date of Commencement	17-01-2026	Date of Completion	-
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Maintenance of Capital Assets
Project Sub-Category	Community Centre	Project Type	Repair and Maintenance
Name of Executant	DEBASISH BARUA		

Administrative Approval Details

Approval No.	OD/373/3576/121570/385148/00039770/AS
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Technical Sanction Details

Technical Sanction No.	OD/373/3576/121570/385148/00039770/TS
Fund Sanction No.	1552
Fund Sanction Amount (in Rs.)	200000

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	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.	-	63.868489925	Sqm
i)	BRM340 : Cement	0.0372	2.37590782521	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.0075	0.4790136744375	1 Cum
2	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.	-	26.82574125	Sqm
i)	BRM340 : Cement	0.043	1.15350687375	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	0.4828633425	1 Cum
3	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)	-	69.1946746568	Sqm
i)	BRM174 : White Cement.	0.0076	0.52587952739168	1Qntl
ii)	BRM340 : Cement	0.1074	7.4315080581403	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.021	1.4530881677928	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	69.1946746568	1 Sqm.
4	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.	-	149.44097871	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	12.55304221164	1 Ltr
5	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)	-	149.44	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	18.68	1 Litre

6	<p>Painting(AR0918g) :.Finishing wall with two coats weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work .(Outside) - Finishing wall with two coats weather coat paint of approved shade including one coat of oil bound primer 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>	-	111.762309	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	13.970288625	1 Ltr
ii)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	9.388033956	1 Ltr
7	<p>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 specifaion and direction of Engineer-in charge. (new work)</p>	-	74.3224	Sqm
i)	BRM340 : Cement	0.1208	8.97814592	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0169	1.25604856	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	1.25604856	1 Cum.

8	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.	-	37.69539225	Sqm
i)	BRM137 : Red oxide Primer	0.054	2.0355511815	1 Litre
ii)	BRM141 : Enamel paint	0.125	4.71192403125	1 Litre
9	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	-	3.6245504	Cum
10	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.	-	2.392203264	Cum
i)	BRM029 : Sand for filling and road blinding	1	2.392203264	1 Cum

11	<p>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.</p>	-	1.8122752	Cum
i)	BRM340 : Cement	2.29	4.150110208	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	0.869892096	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1.739784192	1 Cum.
12	<p>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</p>	-	5.945792	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.01587526464	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	0.749169792	1Mtr.

13	Concrete (AR0307) :.Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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 as per specifaion and direction of Engineer-in charge.	-	1.8122752	Cum
i)	BRM340 : Cement	3.23	5.853648896	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.81552384	1 Cum
iii)	BRM056 : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)	0.9	1.63104768	1 Cum.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM340	29.9428277811	1 Qntl.	555.297	16627.162438362
2	BRM028	5.3564296807303	1 Cum	483.09	2587.637614464
3	BRM174	0.52587952739168	1Qntl	2024.787	1064.7940306288
4	BRM131	69.1946746568	1 Sqm.	659.6011111	45640.884285828
5	BRM253	12.55304221164	1 Ltr	159.27787	1999.4218254901
6	BRM140	18.68	1 Litre	249.58787	4662.3014116
7	BRM255	13.970288625	1 Ltr	195.03787	2724.7353367052
8	BRM252	9.388033956	1 Ltr	125.74787	1180.5252734547
9	BRM064	1.25604856	1 Cum.	2034.11	2554.9409363816
10	BRM137	2.0355511815	1 Litre	142.24787	289.55281984436
11	BRM141	4.71192403125	1 Litre	205.58787	968.7144251865
12	BRM029	2.392203264	1 Cum	478.15	1143.8319906816
13	BRM044	1.739784192	1 Cum.	2179.16	3791.2681198387
14	BRM104	0.01587526464	1Cum.	58573.086	929.86324103148
15	BRM092	0.749169792	1Mtr.	229.106	171.63929436595

16	BRM056	1.63104768	1 Cum.	2580.53	4208.9674696704
Total: 90546.240513533					