

ESTIMATION DPR							
State	Odisha	District	Balangir	Block	Puintala	Gram Panchayat	Puintala

Work Code	OD/345/3294/115980/420100/00014556 (Repair & Renovation of Community Centre at Pipalbahali)
Project Category	Building

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Puintala	Proposal Date	-
Date of Commencement	22-05-2025	Date of Completion	-
Scheme Name	Chief Minister Special Assistant	Scheme Component Name	Self/Personal Deposit
Project Sub-Category	Community Centre	Project Type	Repair and Maintenance
Name of Executant	SUSHREE SUPRABHA MOHAPATRA		

Administrative Approval Details

Approval No.	OD/345/3294/115980/420100/00014556/AS
---------------------	---------------------------------------

Technical Sanction Details

Technical Sanction No.	OD/345/3294/115980/420100/00014556/TS
Fund Sanction No.	4004
Fund Sanction Amount (in Rs.)	400000

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	Earth Work (AR0102a) :.Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift - Earth work in hard soil or gravelly soil 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	-	16.7139912	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.	-	7.43316	Cum
i)	BRM029 : Sand for filling and road blinding	1	7.43316	1 Cum
3	Concrete (AR0304) :.Cement concrete (1:4:8) with 4 cm. hard granite(Crusher Broken) metal - Cement concrete (1:4:8) 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.	-	4.146216648	Cum
i)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	3.98036798208	1 Cum.
ii)	BRM340 : Cement	1.72	7.13149263456	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.48	1.99018399104	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</p> <p>- 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>	-	4.5873216	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	1834.92864	1000 Nos
ii)	<p>BRM340 : Cement</p>	0.672	3.0826801152	1 Qntl.
iii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.28	1.284450048	1 Cum

5	<p>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)</p>	-	9.836831568	Cum
i)	BRM340 : Cement	3.4733	34.166267085134	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	4.4265742056	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	3.54125936448	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	5.31188904672	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	4.4196	43.474860797933	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.041529	0.40851377818747	1Cum.

6	<p>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.</p>	-	8.847	Qntl
i)	BRM162 : Binding Wire.	0.8	7.0776	1 Kg.
ii)	BRM341 : Steel	1.05	9.28935	1 Qntl.
7	<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>	-	8.9304108	Cum
i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	8.9304108	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	3572.16432	1000 Nos

iii)	BRM340 : Cement	0.672	6.0012360576	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.28	2.500515024	1 Cum
8	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.	-	16.09544475	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	16.09544475	1 Sqm.
ii)	BRMMR0027 : Wax Polish	1	16.09544475	1 Sqm
iii)	BRM340 : Cement	0.1375	2.213123653125	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.24143167125	1 Cum

9	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.	-	53.326322	Sqm
i)	BRM340 : Cement	0.0358	1.9090823276	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.79989483	1 Cum
10	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.	-	63.84758675	Sqm
i)	BRM340 : Cement	0.043	2.74544623025	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	1.1492565615	1 Cum
11	Painting(AR0918ca) :.Finishing wall two coats with weather coat with one coat oilbound Primer - Finishing wall surface two coats with weather coat with one coat oilbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	-	53.326322	Sqm

i)	BRM255 : Weather Coat (I.S.I.)	0.125	6.66579025	1 Ltr
ii)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	4.479411048	1 Ltr
12	Painting(AR0922a) :.Finishing wall surface with two coats with distemper of approved shades above one coat oil bound Primer on new work (Inside) - Finishing wall surface with two coats with distemper of approved shades above one coat oil bound Primer on new work to give an even shade including all costs of labor, Paint, Primer, Brushes and putty required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)	-	63.84758675	Sqm
i)	BRM142 : Distemper	0.25	15.9618966875	1 Kg.
ii)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	5.363197287	1 Ltr

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	7.43316	1 Cum	413.05	3070.266738
2	BRM044	3.98036798208	1 Cum.	1336.36	5319.2045565324
3	BRM340	57.249328103469	1 Qntl.	572.212	32758.752532742
4	BRM028	12.39230633139	1 Cum	417.99	5179.8601234577
5	BRM006	5407.09296	1000 Nos	5.36398	29003.538495581
6	BRM060	3.54125936448	1 Cum.	1741.11	6165.7220920898
7	BRM052	5.31188904672	1 Cum.	1723.4	9154.5095831172
8	BRM084	43.474860797933	1Mtr	297.726	12943.596405925
9	BRM104	0.40851377818747	1Cum.	58620.646	23947.34157725
10	BRM162	7.0776	1 Kg.	90	636.984
11	BRM341	9.28935	1 Qntl.	6598.192	61292.9148552
12	BRMMR0025	8.9304108	1 Cum	33	294.7035564
13	BRM131	16.09544475	1 Sqm.	662.3175001	10660.294729818
14	BRMMR0027	16.09544475	1 Sqm	8.5	136.811280375
15	BRM255	6.66579025	1 Ltr	195.09732	1300.4778134571
16	BRM252	9.842608335	1 Ltr	125.80732	1238.272176436

17	BRM142	15.9618966875	1 Kg.	70.40732	1123.8343678838
					Total: 204227.08488427