

ESTIMATION DPR							
State	Odisha	District	Nabarangpur	Block	Umerkote	Gram Panchayat	Badakumari

Work Code	OD/366/3522/120571/427397/00064345 (Construction of Vana Suraksha Samiti Building at Khutuguda)
Project Category	Building

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Umerkote	Proposal Date	-
Date of Commencement	14-11-2025	Date of Completion	-
Scheme Name	Construction of Vana Suraksha Samiti Building	Scheme Component Name	Construction of Buildings for Vana Suraksha Samiti
Project Sub-Category	Vana Suraksha Samiti Building	Project Type	New Work
Name of Executant	SAMRAT PRASAN DAS		

Administrative Approval Details

Approval No.	OD/366/3522/120571/427397/00064345/AS
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Technical Sanction Details

Technical Sanction No.	OD/366/3522/120571/427397/00064345/TS
Fund Sanction No.	18342
Fund Sanction Amount (in Rs.)	850000

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	-	32.907375	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.	-	9.577125	Cum
i)	BRM029 : Sand for filling and road blinding	1	9.577125	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.	-	26.96055	Cum
i)	BRM340 : Cement	2.29	61.7396595	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	12.941064	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	25.882128	1 Cum.

4	R.C.C. Work (AR0404Aa) ∴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 foundation, footing bases of column, mass concrete, pre-cast slabs etc.)	-	16.373668	Cum
i)	BRM340 : Cement	3.4733	56.8706610644	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	7.3681506	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	5.89452048	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	8.84178072	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.06557654034	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.189	3.094623252	1Mtr.

5	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.	-	16.3	Qntl
i)	BRM162 : Binding Wire.	0.8	13.04	1 Kg.
ii)	BRM341 : Steel	1.05	17.115	1 Qntl.
6	Masonry Brick Work (AR0603bi) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - 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.	-	25.0217	Cum
i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	25.0217	1 Cum
ii)	BRM340 : Cement	0.672	16.8145824	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	7.006076	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	8757.595	1000 Nos
7	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.	-	89.155	Sqm
i)	BRM340 : Cement	0.043	3.833665	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	1.60479	1 Cum
8	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.	-	101.7	Sqm
i)	BRM340 : Cement	0.0358	3.64086	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.5255	1 Cum

9	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 specification and direction of Engineer-in charge. (new work)	-	40.87	Sqm
i)	BRM340 : Cement	0.1208	4.937096	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0169	0.690703	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	0.690703	1 Cum.

10	Flooring (AR0816) :.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 - 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.	-	37.89	Sqm
i)	BRMMR0027 : Wax Polish	1	37.89	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	37.89	1 Sqm.
iii)	BRM340 : Cement	0.2737	10.370493	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.013	0.49257	1 Cum

11	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.	-	6.62	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	6.62	1 Sqm.
ii)	BRMMR0027 : Wax Polish	1	6.62	1 Sqm
iii)	BRM340 : Cement	0.1375	0.91025	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.0993	1 Cum
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.	-	2.916	Qntl
i)	BRM341 : Steel	1	2.916	1 Qntl.

13	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.	-	190.855	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	16.03182	1 Ltr
14	Painting(AR0922) :.Finishing wall two coats with distemper of approved shades on new work (Inside) - Finishing wall two coats with distemper 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)	-	190.855	Sqm
i)	BRM142 : Distemper	0.25	47.71375	1 Kg.
15	Painting(AR0903i) :.Painting two coats of enamel paint in outer surface paint (outer surface) - 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)	-	26.1	Sqm
i)	BRM141 : Enamel paint	0.125	3.2625	1 Litre

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	9.577125	1 Cum	613.558	5876.12166075
2	BRM340	159.1172669644	1 Qntl.	574.416	91399.504020623
3	BRM028	31.7281536	1 Cum	617.748	19600.003430093

4	BRM044	25.882128	1 Cum.	1570.72	40653.57609216
5	BRM060	5.89452048	1 Cum.	1994.14	11754.499069987
6	BRM052	8.84178072	1 Cum.	1957.76	17310.084622387
7	BRM104	0.06557654034	1Cum.	58582.598	3841.644100969
8	BRM092	3.094623252	1Mtr.	238.618	738.43281114574
9	BRM162	13.04	1 Kg.	90.1	1174.904
10	BRM341	20.031	1 Qntl.	7802.726	156296.404506
11	BRMMR0025	25.0217	1 Cum	33	825.7161
12	BRM005	8757.595	1000 Nos	6.0361	52861.7191795
13	BRM064	0.690703	1 Cum.	1425.67	984.71454601
14	BRMMR0027	44.51	1 Sqm	8.5	378.335
15	BRM130	37.89	1 Sqm.	460.0083889	17429.717855421
16	BRM131	6.62	1 Sqm.	661.0083889	4375.875534518
17	BRM253	16.03182	1 Ltr	159.28976	2553.7047601632
18	BRM142	47.71375	1 Kg.	70.35976	3357.1279987
19	BRM141	3.2625	1 Litre	205.59976	670.769217
					Total: 432082.85450543