

ESTIMATION DPR							
State	Odisha	District	Deogarh	Block	Tileibani	Gram Panchayat	Tainsar

Work Code	OD/351/3348/117235/382706/00014641 (Construction of VSS Building at Badabalipasi)
Project Category	Building

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Tileibani	Proposal Date	-
Date of Commencement	16-04-2025	Date of Completion	18-12-2025
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	MANORANJAN BEHERA		

Administrative Approval Details

Approval No.	OD/351/3348/117235/382706/00014641/AS
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Technical Sanction Details

Technical Sanction No.	OD/351/3348/117235/382706/00014641/TS
Fund Sanction No.	18481
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 (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	-	32.39325	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.	-	14.857125	Cum
i)	BRM029 : Sand for filling and road blinding	1	14.857125	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.	-	8.59925	Cum
i)	BRM340 : Cement	2.29	19.6922825	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	4.12764	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	8.25528	1 Cum.

4	<p>Masonry Brick Work (AR0603b) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth - Brickwork with Flyash Bricks of size (25cm x 12cm 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>	-	13.278001	Cum
i)	BRM340 : Cement	0.672	8.922816672	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	3.71784028	1 Cum
iii)	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 ± 2 %	350	4647.30035	1000 Nos
5	<p>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/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>	-	23.19625	Cum

i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	23.19625	1 Cum
ii)	BRM340 : Cement	0.672	15.58788	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	6.49495	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	8118.6875	1000 Nos
6	R.C.C. Work (AR0407Aa) :.Column base (including centering & shuttering) - Column base (including centring & shuttering)	-	5.738445	Cum
i)	BRM340 : Cement	4.22	24.2162379	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.58230025	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	2.0658402	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	3.0987603	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.022982472225	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.189	1.084566105	1Mtr.

7	R.C.C. Work (AR0407Ac) :.Column & Beam (including centring & shuttering) - Column & Beam (including centring & shuttering)	-	2.8015	Cum
i)	BRM340 : Cement	4.22	11.82233	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.260675	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	1.00854	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	1.51281	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	4.4196	12.3815094	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.041529	0.1163434935	1Cum.
8	R.C.C. Work (AR0407Ab) :.Plinth beam (including centering & shuttering) - Plinth beam (including centring & shuttering)	-	1.968125	Cum
i)	BRM340 : Cement	4.22	8.3054875	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.88565625	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	0.708525	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	1.0627875	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.01335	0.02627446875	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.63	1.23991875	1Mtr.
9	R.C.C. Work (AR0407Ad) :.Lintel (including centring & shuttering) - Lintel (including centring & shuttering)	-	1.098375	Cum
i)	BRM340 : Cement	4.22	4.6351425	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.49426875	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	0.395415	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	0.5931225	1 Cum.
v)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	3.7695	4.1403245625	1Mtr.
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0741335	0.0814263830625	1Cum.
10	R.C.C. Work (AR0407Ae) :.Staircase (including centring & shuttering) - Staircase (including centring & shuttering)	-	1.89	Cum
i)	BRM340 : Cement	4.22	7.9758	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.8505	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	0.6804	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	1.0206	1 Cum.
v)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	1.17	2.2113	1Mtr.
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.04806	0.0908334	1Cum.
11	R.C.C. Work (AR0407Ag) :.Roof (including centring & shuttering) - Roof (including centring & shuttering)	-	6.0379125	Cum
i)	BRM340 : Cement	4.22	25.47999075	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.717060625	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	2.1736485	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	3.26047275	1 Cum.

v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	6.2216	37.56547641	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0502172	0.303207059595	1Cum.
12	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.	-	38.488	Sqm
i)	BRM340 : Cement	0.0372	1.4317536	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0075	0.28866	1 Cum
13	Plastering (AR1004) :.12mm thick cement plster (1:6) over Brick work in inside - 12mm thick cement plster (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.	-	126.461	Sqm
i)	BRM340 : Cement	0.0358	4.5273038	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.896915	1 Cum

14	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.	-	122.94	Sqm
i)	BRM340 : Cement	0.043	5.28642	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	2.21292	1 Cum
15	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.	-	17.72	Qntl
i)	BRM162 : Binding Wire.	0.8	14.176	1 Kg.
ii)	BRM341 : Steel	1.05	18.606	1 Qntl.

16	<p>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.</p>	-	54.089	Sqm
i)	<p>BRM131 : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B la) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)</p>	1	54.089	1 Sqm.
ii)	<p>BRMMR0027 : Wax Polish</p>	1	54.089	1 Sqm
iii)	<p>BRM340 : Cement</p>	0.1375	7.4372375	1 Qntl.
iv)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.015	0.811335	1 Cum
17	<p>Painting(AR0901b) :.Priming one coat in inner surface with primer of approved quality over iron work. - Priming one coat in inner surface with primer of approved quality over iron work including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.</p>	-	31.5675	Sqm
i)	<p>BRM137 : Red oxide Primer</p>	0.054	1.704645	1 Litre

18	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)	-		296.9115	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125		37.1139375	1 Litre
19	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)	-		31.5675	Sqm
i)	BRM141 : Enamel paint	0.125		3.9459375	1 Litre
20	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.	-		296.911	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084		24.940524	1 Ltr

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	14.857125	1 Cum	331.46	4924.5426525
2	BRM340	145.320682722	1 Qntl.	549.712	79884.523140476

3	BRM028	28.340721155	1 Cum	1017.41	28834.133110309
4	BRM044	8.25528	1 Cum.	1336.36	11032.0259808
5	BRM005	12765.98785	1000 Nos	6.30115	80440.404341027
6	BRMMR0025	23.19625	1 Cum	33	765.47625
7	BRM060	7.0323687	1 Cum.	1991.51	14005.032589737
8	BRM052	10.54855305	1 Cum.	1983.8	20926.21954059
9	BRM104	0.6410672771325	1Cum.	58573.086	37549.288755268
10	BRM092	2.324484855	1Mtr.	229.106	532.55342718963
11	BRM084	49.94698581	1Mtr	250.166	12495.037652144
12	BRM094	6.3516245625	1Mtr.	240.106	1525.0631672036
13	BRM162	14.176	1 Kg.	90.1	1277.2576
14	BRM341	18.606	1 Qntl.	6626.752	123297.347712
15	BRM131	54.089	1 Sqm.	662.3175001	35824.091262909
16	BRMMR0027	54.089	1 Sqm	8.5	459.7565
17	BRM137	1.704645	1 Litre	143.00732	243.7767130014
18	BRM140	37.1139375	1 Litre	249.64732	9265.3950315225
19	BRM141	3.9459375	1 Litre	204.30732	806.1839155125
20	BRM253	24.940524	1 Ltr	159.33732	3973.9562535557
Total: 468062.06559575					