

ESTIMATION DPR							
State	Odisha	District	Balangir	Block	Muribahal	Gram Panchayat	Haldi

Work Code	OD/345/3292/115924/421463/00063601 (Const of Vana Suraksha Suraksha Samiti (vss) Building at Tentulikhunti Haldi GP)						
Project Category	Building						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Muribahal	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	DEBANANDA MEHER		

Administrative Approval Details

Approval No.	OD/345/3292/115924/421463/00063601/AS
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Technical Sanction Details

Technical Sanction No.	OD/345/3292/115924/421463/00063601/TS
Fund Sanction No.	
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 (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.	-	22.60313925	Cum
i)	BRM029 : Sand for filling and road blinding	1	22.60313925	1 Cum

2	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.	-	7.3315897325	Cum
i)	BRM340 : Cement	2.29	16.789340487425	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	3.5191630716	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	7.0383261432	1 Cum.
3	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.	-	114.420285	Sqm
i)	BRM340 : Cement	0.0358	4.096246203	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.716304275	1 Cum

4	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.	-	81.892279	Sqm
i)	BRM340 : Cement	0.043	3.521367997	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	1.474061022	1 Cum
5	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	-	24.13259584	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.0644340308928	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	3.04070707584	1Mtr.

6	R.C.C. Work (AR0410d) :Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting - 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. beams, column, girder and bressmer, etc. Data for 4.2sqm	-	54.816574	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.55238095238095	30.279631352381	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051904761904762	0.28452412219048	1Cum.
7	R.C.C. Work (AR0410e) :Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting - 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. Lintels Data for 7.8 sqm	-	9.249124	Sqm
i)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.26923076923077	2.4901487692308	1Mtr.
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0052948717948718	0.048972925794872	1Cum.

8	R.C.C. Work (AR0410a) :.Centring & Shuttering for R.C.C. floor and roof slabs, landings,balconies, projecting sun shades and chajjas - 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. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height	-	53.20266875	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.622222222222222	33.103882777778	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0050222222222222	0.26719562527778	1Cum.
9	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.	-	19.5	Qntl
i)	BRM162 : Binding Wire.	0.8	15.6	1 Kg.
ii)	BRM341 : Steel	1.05	20.475	1 Qntl.

10	Earth Work (AR0122Aia) :.Earthwork in all kinds of soil in foundation and plinth within 50m, initial lead and 1.5m, initial lift - Earthwork in all kinds of soil in foundation and 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 direction of the Engineer-in-charge	-	32.28499375	Cum
11	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.	-	19.74073575	Cum
i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	19.74073575	1 Cum
ii)	BRM340 : Cement	0.672	13.265774424	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	5.52740601	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 ± 2 %	350	6909.2575125	1000 Nos

12	Masonry Stone Work (AR0717) :.Laterite stone masonry - Laterite stone masonry in cement mortar (1:6) in foundation and plinth cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in-charge.	-	12.72569496	Cum
i)	BRM340 : Cement	0.572	7.27909751712	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.24	3.0541667904	1 Cum
iii)	BRM079 : Laterite Stone rough dressed	1	12.72569496	1 Cum.
13	R.C.C. Work (AR0404A) :.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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)	-	19.7582244425	Cum
i)	BRM340 : Cement	3.4733	68.626240956135	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	8.891200999125	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	7.1129607993	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	10.66944119895	1 Cum.
14	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.	-	38.71119775	Sqm
i)	BRM340 : Cement	0.0372	1.4400565563	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0075	0.290333983125	1 Cum
15	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.	-	38.71119775	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	38.71119775	1 Sqm.
ii)	BRMMR0027 : Wax Polish	1	38.71119775	1 Sqm
iii)	BRM340 : Cement	0.1375	5.322789690625	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.58066796625	1 Cum
16	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 Enginer-in-charge.	-	9.349456	Sqm
i)	BRMMR0027 : Wax Polish	1	9.349456	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	9.349456	1 Sqm.
iii)	BRM340 : Cement	0.2737	2.5589461072	1 Qntl.

iv)	BRM028 : Screened and washed sharp sand for mortar	0.013	0.121542928	1 Cum
17	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)	-	112.41896	Sqm
i)	BRM142 : Distemper	0.25	28.10474	1 Kg.
18	Painting(AR0918c) :.Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new work (Outside) - 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)	-	82.890954	Sqm
i)	BRM143 : Cement paint	0.25	20.7227385	1 Kg.
ii)	BRM340 : Cement	0.010763440860215	0.89219188122581	1 Qntl.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	22.60313925	1 Cum	347.95	7864.7623020375
2	BRM340	123.79205182003	1 Qntl.	578.157	71571.241304114
3	BRM028	25.1748470455	1 Cum	548.19	13800.599401873
4	BRM044	7.0383261432	1 Cum.	1401.46	9863.9325566491
5	BRM104	0.66512670415593	1Cum.	58573.086	38958.523643422
6	BRM092	3.04070707584	1Mtr.	229.106	696.6442353174
7	BRM084	63.383514130159	1Mtr	250.166	15856.400195885

8	BRM094	2.4901487692308	1Mtr.	240.106	597.89966038492
9	BRM162	15.6	1 Kg.	90	1404
10	BRM341	20.475	1 Qntl.	6604.137	135219.705075
11	BRMMR0025	19.74073575	1 Cum	33	651.44427975
12	BRM005	6909.2575125	1000 Nos	6.59565	45571.044312321
13	BRM079	12.72569496	1 Cum.	1103.66	14044.840499554
14	BRM060	7.1129607993	1 Cum.	1806.21	12847.500925304
15	BRM052	10.66944119895	1 Cum.	1788.5	19082.295584322
16	BRM131	38.71119775	1 Sqm.	663.9538891	25702.450297832
17	BRMMR0027	48.06065375	1 Sqm	8.5	408.515556875
18	BRM130	9.349456	1 Sqm.	462.9538891	4328.3670161693
19	BRM142	28.10474	1 Kg.	70.34787	1977.1085959038
20	BRM143	20.7227385	1 Kg.	48.07787	996.30512764699
					Total: 421443.58057036