

ESTIMATION DPR							
State	Odisha	District	Nabarangpur	Block	Jhorigam	Gram Panchayat	Dhodra

Work Code	OD/366/3515/120452/427406/00056402 (Construction work of VSS building at Niripadar village of Dhodra GP)
Project Category	Building

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Jhorigam	Proposal Date	22-07-2024
Date of Commencement	-	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			

Administrative Approval Details

Approval No.	OD/366/3515/120452/427406/00056402/AS
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Technical Sanction Details

Technical Sanction No.	OD/366/3515/120452/427406/00056402/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 (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	-	28.2582	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.	-	24.1593	Cum
i)	BRM029 : Sand for filling and road blinding	1	24.1593	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.	-	18.20245	Cum
i)	BRM340 : Cement	2.29	41.6836105	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	8.737176	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	17.474352	1 Cum.

4	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)	-	17.69495945	Cum
i)	BRM340 : Cement	3.4733	61.459902657685	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	7.9627317525	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	6.370185402	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	9.555278103	1 Cum.

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.	-	19.1	Qntl
i)	BRM162 : Binding Wire.	0.8	15.28	1 Kg.
ii)	BRM341 : Steel	1.05	20.055	1 Qntl.
6	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	-	108.2614	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.289057938	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	13.6409364	1Mtr.

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	-	9.822	Sqm
i)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.26923076923077	2.6443846153846	1Mtr.
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0052948717948718	0.052006230769231	1Cum.
8	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, grider and bressmer, etc. Data for 4.2sqm	-	13.096	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.55238095238095	7.233980952381	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051904761904762	0.067974476190476	1Cum.

9	R.C.C. Work (AR0410b) :.centering and shuttering fRigid and smooth or 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. stairs excluding landing but including railing details for 5 Sqm	-	6.39	Sqm
i)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.13	0.8307	1Mtr.
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00534	0.0341226	1Cum.
10	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	-	47.768	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.6222222222222222	29.72231111111111	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0050222222222222	0.2399015111111111	1Cum.

11	<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>	-	22.046029	Cum
i)	<p>BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK</p>	1	22.046029	1 Cum
ii)	<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	8818.4116	1000 Nos
iii)	<p>BRM340 : Cement</p>	0.672	14.814931488	1 Qntl.
iv)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.28	6.17288812	1 Cum
12	<p>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.</p>	-	3.06	Qntl
i)	<p>BRM341 : Steel</p>	1	3.06	1 Qntl.

13	<p>Other Building Items. (AR1909) :.Al. door with OEL anodized Al. door section of 9202 as vertical member - Providing fitting, fixing of Al. door with OEL anodized Al. door section of 9202 as vertical member, 9201 as top member and 9200 as bottom and middle member and 12mm thick pre-laminated board fixed on door frame by means of tapered clip No. 4660 and the frame to be completed by means of jointing angle No.1855 including all cost of labour,T&P , hire charges of drilling machine, labour charges etc. complete. and as per direction of Engineer in Charge</p>	-	1.785	Sqm
i)	BRM281 : Prelaminated particle board (standard type) (I.S.I.) 12mm	1.1018518518519	1.96680555555556	Sqm
ii)	BRMMR0008 : Hire charges of drills machine	0.694444444444444	1.23958333333333	Day
iii)	BRMMR0018 : 6-Level mortice lock	0.46296296296296	0.826388888888889	Each
iv)	BRMMR0017 : Handle	0.92592592592593	1.65277777777778	Each
v)	BRMMR0016 : Door Stopper	0.46296296296296	0.826388888888889	Each
vi)	BRMMR0011 : U rubber beading	8.4675925925926	15.114652777778	Mtr
vii)	BRMMR0015 : 4 Anodised Al. Hinges	1.8518518518519	3.30555555555556	Each
viii)	BRM304 : Aluminium extruded section	11.821805555556	21.101922916667	kg

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.	-	132.252	Sqm
i)	BRM340 : Cement	0.043	5.686836	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	2.380536	1 Cum
15	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.	-	83.17	Sqm
i)	BRM340 : Cement	0.0358	2.977486	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.24755	1 Cum

16	<p>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)</p>	-	164.832	Sqm
i)	BRM142 : Distemper	0.25	41.208	1 Kg.
ii)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	13.845888	1 Ltr
17	<p>Painting(AR0918h) :.Finishing wall with two coats weather coat paint of approved shade including one coat of water 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 water 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>	-	83.18	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	10.3975	1 Ltr
ii)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	7.5130322580645	1 Ltr

18	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.	-	23.229	Sqm
i)	BRM137 : Red oxide Primer	0.054	1.254366	1 Litre
ii)	BRM141 : Enamel paint	0.125	2.903625	1 Litre
19	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.	-	37.305	Sqm
i)	BRMMR0027 : Wax Polish	1	37.305	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	37.305	1 Sqm.

iii)	BRM340 : Cement	0.2737	10.2103785	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.013	0.484965	1 Cum
20	Flooring (AR0817a) :.Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) - 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 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 ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge	-	9.2625	Sqm
i)	BRMMR0027 : Wax Polish	1	9.2625	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	9.2625	1 Sqm.
iii)	BRM340 : Cement	0.1375	1.27359375	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.1389375	1 Cum

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	24.1593	1 Cum	413.05	9978.998865
2	BRM340	138.10673889568	1 Qntl.	597.677	82543.221382956
3	BRM028	27.1247843725	1 Cum	417.24	11317.545031582
4	BRM044	17.474352	1 Cum.	1466.56	25627.18566912
5	BRM060	6.370185402	1 Cum.	1889.98	12039.523006072

6	BRM052	9.555278103	1 Cum.	1853.6	17711.663491721
7	BRM162	15.28	1 Kg.	90.1	1376.728
8	BRM341	23.115	1 Qntl.	6219.847	143771.763405
9	BRM104	0.68306275607082	1Cum.	58620.646	40041.580019412
10	BRM092	13.6409364	1Mtr.	276.666	3773.9833100424
11	BRM094	3.4750846153846	1Mtr.	287.666	999.66369096923
12	BRM084	36.956292063492	1Mtr	297.726	11002.849010895
13	BRMMR0025	22.046029	1 Cum	33	727.518957
14	BRM006	8818.4116	1000 Nos	5.4818	48340.76870888
15	BRM281	1.96680555555556	Sqm	710.82	1398.044725
16	BRMMR0008	1.23958333333333	Day	100	123.958333333333
17	BRMMR0018	0.82638888888889	Each	600	495.833333333333
18	BRMMR0017	1.65277777777778	Each	62.5	103.298611111111
19	BRMMR0016	0.82638888888889	Each	25	20.6597222222222
20	BRMMR0011	15.1146527777778	Mtr	15	226.71979166667
21	BRMMR0015	3.30555555555556	Each	39	128.91666666667
22	BRM304	21.101922916667	kg	297.97	6287.7399714792
23	BRM142	41.208	1 Kg.	70.46677	2903.79465816
24	BRM252	13.845888	1 Ltr	125.86677	1742.7372003418
25	BRM255	10.3975	1 Ltr	195.15677	2029.142516075
26	BRM253	7.5130322580645	1 Ltr	159.39677	1197.5530748413
27	BRM137	1.254366	1 Litre	137.96677	173.06082541782
28	BRM141	2.903625	1 Litre	205.70677	597.29532004125
29	BRMMR0027	46.5675	1 Sqm	8.5	395.82375
30	BRM130	46.5675	1 Sqm.	462.9538891	21558.605230664

Total: 448636.176279