

ESTIMATION DPR							
State	Odisha	District	Sambalpur	Block	Dhankauda	Gram Panchayat	Kilasama

Work Code	OD/371/3559/121304/381712/00014277 (Construction of VSS Building at Goudpali)
Project Category	Building

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Dhankauda	Proposal Date	-
Date of Commencement	04-06-2025	Date of Completion	03-11-2025
Scheme Name	Construction of Vana Suraksha Samiti Building	Scheme Component Name	Construction of Buildings for Vana Suraksha Samiti
Project Sub-Category	Others	Project Type	New Work
Name of Executant	ASHRITA TOPNO		

Administrative Approval Details

Approval No.	OD/371/3559/121304/381712/00014277/AS
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Technical Sanction Details

Technical Sanction No.	OD/371/3559/121304/381712/00014277/TS
Fund Sanction No.	18481
Fund Sanction Amount (in Rs.)	850000

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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1	<p>Earth Work (AR0122Ai1) : Earthwork in all kinds of soil within 50m to 75m 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 - Earthwork in all kinds of soil within 50m to 75m 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.</p>	-	30.280872	Cum
i	Un-Skilled	0.503534	15.247448601648	-
2	<p>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.</p>	-	6.190255	Cum
i	Un-Skilled	0.1236	0.765115518	-

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.	-	6.6725	Cum
i	Skilled	0.18	1.20105	-
ii	Un-Skilled	3.9	26.02275	-

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.)	-	5.0862	Cum
i	Un-Skilled	1.3333	6.78143046	-
ii	Skilled	0.175	0.890085	-
iii	Semi-Skilled	0.1323	0.67290426	-

5	R.C.C. Work (AR0404Ab) : 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 Plinth band)	-	1.9570125	Cum
i	Un-Skilled	1.3333	2.60928476625	-
ii	Skilled	0.35	0.684954375	-
iii	Semi-Skilled	0.3073	0.60138994125	-

6	R.C.C. Work (AR0404Ad) : 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 Lintels)	-	0.9827325	Cum
i	Un-Skilled	1.3333	1.31027724225	-
ii	Skilled	2.34375	2.303279296875	-
iii	Semi-Skilled	2.30105	2.261316619125	-

7	R.C.C. Work (AR0404Ae) : 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 Stairs excluding landing but including railing)	-	1.46545	Cum
i	Un-Skilled	1.3333	1.953884485	-
ii	Skilled	5.05	7.4005225	-
iii	Semi-Skilled	5.0073	7.337947785	-

8	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)	-	3.1711825	Cum
i	Un-Skilled	1.3333	4.22813762725	-
ii	Skilled	5.33875	16.930150571875	-
iii	Semi-Skilled	5.29605	16.794741079125	-

9	R.C.C. Work (AR0404Af) : 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 Sun sheds & Chajja)	-	3.843	Sqm
i	Un-Skilled	0.08333125	0.32024199375	-
ii	Skilled	0.3423	1.3154589	-
iii	Semi-Skilled	0.33963125	1.30520289375	-

10	R.C.C. Work (AR0404Ag) : 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 Roof slab, landing, balcony, sun shade)	-	5.912868	Cum
i	Un-Skilled	1.3333	7.8836269044	-
ii	Skilled	3.15525	18.656576757	-
iii	Semi-Skilled	3.11255	18.4040972934	-

11	<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>	-	17.1783972	Qntl
i	Un-Skilled	0.8	13.74271776	-
ii	Highly-Skilled	0.3	5.15351916	-
iii	Semi-Skilled	0.044	0.7558494768	-
12	<p>Masonry Brick Work (AR0603c) : Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth - 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>	-	11.518887	Cum

	i	Un-Skilled	2.96	34.09590552	-
	ii	Skilled	1.05	12.09483135	-
	iii	Highly-Skilled	0.35	4.03161045	-
13		<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>	-	17.257935	Cum
	i	Un-Skilled	2.96	51.0834876	-
	ii	Skilled	1.05	18.12083175	-
	iii	Highly-Skilled	0.35	6.04027725	-

14	<p>R.C.C. Work (AR0404Ac) : First Floor - 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>	-	0.357075	Cum
	i Un-Skilled	1.533295	0.547501312125	-
	ii Skilled	6.4015	2.2858156125	-
	iii Semi-Skilled	6.352395	2.268281444625	-
15	<p>Masonry Brick Work (AR0603ci) : First floor - 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>	-	4.2573	Cum

	i	Un-Skilled	3.404	14.4918492	-
	ii	Skilled	1.2075	5.14068975	-
	iii	Highly-Skilled	0.4025	1.71356325	-
16		Plastering (AR1006) : 12mm thick cement plaster (1:4) over brickwork in inside - 12mm thick cement plaster (1:4) over brickwork in inside with cement punning for skirting/wall punning including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc. comp. and as per direction of Engineer-in- charge.	-	26.6862	Sqm
	i	Un-Skilled	0.11	2.935482	-
	ii	Skilled	0.15	4.00293	-

17	<p>Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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 as per specifaion and direction of Engineer-in charge.</p>	-	0.2169	Cum
i	Un-Skilled	4.6	0.99774	-
ii	Skilled	0.68	0.147492	-
18	<p>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.</p>	-	92.55165	Sqm
i	Un-Skilled	0.17	15.7337805	-
ii	Skilled	0.14	12.957231	-

19	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.	-	100.7208	Sqm
i	Un-Skilled	0.12	12.086496	-
ii	Skilled	0.14	14.100912	-
20	Plastering (AR1004) : First Floor - 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.	-	26.9528	Sqm
i	Un-Skilled	0.1236	3.33136608	-
ii	Skilled	0.1442	3.88659376	-

21	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.	-	115.863	Sqm
i	Un-Skilled	0.24	27.80712	-
ii	Skilled	0.16	18.53808	-
22	Plastering (AR1014) : First Floor - 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.	-	17.19	Sqm
i	Un-Skilled	0.2472	4.249368	-
ii	Skilled	0.1648	2.832912	-

23	<p>Other Building Items. (AR1901B) : Vitrified Tile 600mmx600mm Plain Ivory - Supplying, fitting & fixing Vitrified Tile 600mmx600mm Plain Ivory in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all materials, taxes, labour, T&P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)</p>	-	28.6674	Sqm
i	Un-Skilled	0.216	6.1921584	-
ii	Highly-Skilled	0.216	6.1921584	-
24	<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>	-	4.28025	Sqm

	i	Highly-Skilled	0.325	1.39108125	-
	ii	Un-Skilled	0.325	1.39108125	-
	iii	Semi-Skilled	0.76	3.25299	-
25		<p>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.</p>	-	4.2189	Sqm
	i	Un-Skilled	0.216	0.9112824	-
	ii	Highly-Skilled	0.216	0.9112824	-
	iii	Semi-Skilled	0.55	2.320395	-

26	<p>Flooring (AR0817b) : Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) - Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in wall cladding 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.</p>	-	9.606	Sqm
i	Un-Skilled	0.325	3.12195	-
ii	Highly-Skilled	0.325	3.12195	-
27	<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>	-	2.68245	Qntl
i	Un-Skilled	6.3976377952756	17.161343503937	-

	ii	Semi-Skilled	1.9685039370079	5.2804133858268	-
	iii	Skilled	3.9370078740157	10.560826771654	-
	iv	Highly-Skilled	3.4448818897638	9.2407234251968	-
28		Painting (AR0905a) : Painting two coats of enamel paint with a coat of wood primer on old wood work in inner surface paint (Inside) - Painting two coats of enamel paint with a coat of wood primer on old wood work in inner surface paint including all costs of labour, Paint, Primer, brushes and putty required for the work etc. complete and as per direction of Engineer-in- charge.(Inside)	-	19.67625	Sqm
	i	Highly-Skilled	0.18817204301075	3.7025201612903	-
	ii	Un-Skilled	0.17204301075269	3.3851612903226	-

29	<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>	-	99.6825	Sqm
	i Highly-Skilled	0.10576344086022	10.542764193548	-
	ii Un-Skilled	0.11576344086022	11.539589193548	-
30	<p>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)</p>	-	125.842055	Sqm
	i Un-Skilled	0.11776344086022	14.81959340172	-
	ii Highly-Skilled	0.10776344086022	13.56117285172	-

31	Painting (AR0918g) : First Floor - Finishing wall with two coats weather coat paint of approved shade including one coat of oil 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)	-	43.9312	Sqm
i	Un-Skilled	0.090051612903226	3.9560754167742	-
ii	Highly-Skilled	0.079551612903226	3.4947978167742	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	310.70324642698	462	143544.89984926
1	Skilled	154.0512233949	562	86576.787547936
2	Semi-Skilled	61.255529178902	512	31362.830939598
3	Highly-Skilled	69.09742060853	612	42287.62141242
Total:				303772.13974922