

ESTIMATION DPR							
State	Odisha	District	Angul	Block	Anugul	Gram Panchayat	Saradhapur

Work Code	OD/344/3276/115578/405104/00014986 (CONST OF VSS BUILDING AT BETAR)
Project Category	Building

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Anugul	Proposal Date	-
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.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	4206
Fund Sanction Amount (in Rs.)	850000

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement 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	-	26.514	Cum

	i	Un-Skilled	0.516	13.681224	-
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.	-	21.160985	Cum
	i	Un-Skilled	0.1236	2.615497746	-
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.	-	6.71927	Cum
	i	Skilled	0.18	1.2094686	-
	ii	Un-Skilled	3.9	26.205153	-

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>	-	9.33315	Cum
i	Un-Skilled	2.96	27.626124	-
ii	Skilled	1.05	9.7998075	-
iii	Highly-Skilled	0.35	3.2666025	-
5	<p>R.C.C. Work (AR0407Aa) : Column base (including centering & shuttering) - Column base (including centring & shuttering)</p>	-	7.75575	Cum
i	Un-Skilled	1.3333	10.340741475	-
ii	Skilled	0.175	1.35725625	-
iii	Semi-Skilled	0.1323	1.026085725	-

6	R.C.C. Work (AR0407Ab) : Plinth beam (including centring & shuttering) - Plinth beam (including centring & shuttering)	-	2.30625	Cum
i	Un-Skilled	1.3333	3.074923125	-
ii	Skilled	0.35	0.8071875	-
iii	Semi-Skilled	0.3073	0.708710625	-
7	R.C.C. Work (AR0407Ac) : Column & Beam (including centring & shuttering) - Column & Beam (including centring & shuttering)	-	3.375	Cum
i	Un-Skilled	1.3333	4.4998875	-
ii	Skilled	5.33875	18.01828125	-
iii	Semi-Skilled	5.29605	17.87416875	-
8	R.C.C. Work (AR0407Ag) : Roof (including centring & shuttering) - Roof (including centring & shuttering)	-	5.52	Cum
i	Un-Skilled	1.3333	7.359816	-
ii	Skilled	3.15525	17.41698	-

	iii	Semi-Skilled	3.11255	17.181276	-
9		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)	-	1.284375	Cum
	i	Un-Skilled	1.3333	1.7124571875	-
	ii	Skilled	2.34375	3.01025390625	-
	iii	Semi-Skilled	2.30105	2.95541109375	-

10	<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>	-	19.2	Qntl
i	Un-Skilled	0.8	15.36	-
ii	Highly-Skilled	0.3	5.76	-
iii	Semi-Skilled	0.044	0.8448	-
11	<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>	-	16.154375	Cum

	i	Un-Skilled	2.96	47.81695	-
	ii	Skilled	1.05	16.96209375	-
	iii	Highly-Skilled	0.35	5.65403125	-
12		Painting (AR0901ci) : Priming one coat with outer surface primer of approved quality oil-bound primer over plastering surfaces(Outer surface) - Priming one coat with outer surface primer of approved quality oil-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.	-	240.6217	Sqm
	i	Highly-Skilled	0.053763440860215	12.936650537634	-
	ii	Un-Skilled	0.053763440860215	12.936650537634	-
13		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)	-	117.7365	Sqm

	i	Highly-Skilled	0.054	6.357771	-
	ii	Un-Skilled	0.064	7.535136	-
14		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)	-	90.7925	Sqm
	i	Un-Skilled	0.11776344086022	10.692037204301	-
	ii	Highly-Skilled	0.10776344086022	9.7841122043011	-
15		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.	-	117.7365	Sqm
	i	Un-Skilled	0.24	28.25676	-

	ii	Skilled	0.16	18.83784	-
16		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.	-	90.7925	Sqm
	i	Un-Skilled	0.12	10.8951	-
	ii	Skilled	0.14	12.71095	-
17		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.	-	15.458	Sqm

	i	Highly-Skilled	0.325	5.02385	-
	ii	Un-Skilled	0.325	5.02385	-
	iii	Semi-Skilled	0.76	11.74808	-
18		<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>	-	32.0927	Sqm
	i	Un-Skilled	0.216	6.9320232	-
	ii	Highly-Skilled	0.216	6.9320232	-
	iii	Semi-Skilled	0.55	17.650985	-

19	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.	-	3.8775	Qntl
i	Un-Skilled	6.3976377952756	24.806840551181	-
ii	Semi-Skilled	1.9685039370079	7.632874015748	-
iii	Skilled	3.9370078740157	15.265748031496	-
iv	Highly-Skilled	3.4448818897638	13.357529527559	-
20	Painting (AR0902a) : Painting one coat of enamel paint with a coat of wood primer on new wood work in inner surface (inside) - Painting one coat of enamel paint with a coat of wood primer on new wood work in inner 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.(inside).	-	16.43625	Sqm
i	Un-Skilled	0.14193548387097	2.3328870967742	-
ii	Highly-Skilled	0.13440860215054	2.2091733870968	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	269.70405862339	462	124603.27508401
1	Skilled	115.39586678775	562	64852.477134713
2	Highly-Skilled	71.281743606591	612	43624.427087234
3	Semi-Skilled	77.622391209498	512	39742.664299263
				Total: 272822.84360522