

ESTIMATION DPR							
State	Odisha	District	Nabarangpur	Block	Nabarangpur	Gram Panchayat	Agnipur

Work Code	OD/366/3517/120486/427939/00014316 (Const.of Vana Surakshya Samiti (VSS) building at Khandaguda)
Project Category	Building

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Nabarangpur	Proposal Date	01-08-2024
Date of Commencement	06-12-2025	Date of Completion	-
Scheme Name	Construction of Vana Suraksha Samiti Building	Scheme Component Name	Construction of Buildings for Vana Suraksha Samiti
Project Sub-Category	Others	Project Type	New Work
Name of Executant	ARABINDA BEHERA		

Administrative Approval Details

Approval No.	OD/366/3517/120486/427939/00014316/AS
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Technical Sanction Details

Technical Sanction No.	OD/366/3517/120486/427939/00014316/TS
Fund Sanction No.	17052
Fund Sanction Amount (in Rs.)	850000

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<p>Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift -</p> <p>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</p>	-	36.332	Cum

	i	Un-Skilled	0.516	18.747312	-
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.	-	5.523	Cum
	i	Un-Skilled	0.1236	0.6826428	-
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.	-	12.82525	Cum
	i	Skilled	0.18	2.308545	-
	ii	Un-Skilled	3.9	50.018475	-

4		<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>	-	48.75	Sqm
	i	Un-Skilled	0.17	8.2875	-
	ii	Skilled	0.14	6.825	-
5		<p>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.</p>	-	122.71	Sqm
	i	Un-Skilled	0.24	29.4504	-
	ii	Skilled	0.16	19.6336	-

6	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.	-	16.453	Qntl
i	Un-Skilled	0.8	13.1624	-
ii	Highly-Skilled	0.3	4.9359	-
iii	Semi-Skilled	0.044	0.723932	-

7	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.)	-	2.140425	Cum
i	Un-Skilled	1.3333	2.8538286525	-
ii	Skilled	0.175	0.374574375	-
iii	Semi-Skilled	0.1323	0.2831782275	-

8	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)	-	3.51	Cum
i	Un-Skilled	1.3333	4.679883	-
ii	Skilled	0.35	1.2285	-
iii	Semi-Skilled	0.3073	1.078623	-

9	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)	-	4.00125	Cum
i	Un-Skilled	1.3333	5.334866625	-
ii	Skilled	5.33875	21.3616734375	-
iii	Semi-Skilled	5.29605	21.1908200625	-

10	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)	-	1.36875	Cum
i	Un-Skilled	1.3333	1.824954375	-
ii	Skilled	2.34375	3.2080078125	-
iii	Semi-Skilled	2.30105	3.1495621875	-

11	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)	-	7.93295	Cum
i	Un-Skilled	1.3333	10.577002235	-
ii	Skilled	5.05	40.0613975	-
iii	Semi-Skilled	5.0073	39.722660535	-

12	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)	-	1.664	Cum
i	Un-Skilled	1.3333	2.2186112	-
ii	Skilled	3.15525	5.250336	-
iii	Semi-Skilled	3.11255	5.1792832	-

13	<p>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.</p>	-	161.11	Sqm
i	Highly-Skilled	0.053763440860215	8.6618279569892	-
ii	Un-Skilled	0.053763440860215	8.6618279569892	-
14	<p>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)</p>	-	127.42	Sqm
i	Highly-Skilled	0.054	6.88068	-
ii	Un-Skilled	0.064	8.15488	-

15	<p>Masonry Brick Work (AR0603ei) : C.B. Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in superstructure - Brickwork with C.B. 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>	-	25.9532	Cum
	i Un-Skilled	3.1	80.45492	-
	ii Skilled	1.05	27.25086	-
	iii Highly-Skilled	0.35	9.08362	-
16	<p>Painting (AR0901di) : Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface) - Priming one coat with outer 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.</p>	-	103.23	Sqm

	i	Highly-Skilled	0.053763440860215	5.55	-
	ii	Un-Skilled	0.053763440860215	5.55	-
17		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)	-	10.8	Sqm
	i	Highly-Skilled	0.13440860215054	1.4516129032258	-
	ii	Un-Skilled	0.11827956989247	1.2774193548387	-
18		Plastering (AR1004i) : 12mm thick cement plaster (1:6) over Brick work in outside. - 12mm thick cement plaster (1:6) over Brick work in outside 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.	-	108.07	Sqm
	i	Un-Skilled	0.12	12.9684	-
	ii	Skilled	0.14	15.1298	-

19	<p>Other Building Items. (AR1901Ba) : Vitrified Tile 600mmx600mm Coloured /Printed - Supplying, fitting & fixing Vitrified Tile 600mmx600mm Coloured /Printed series(Homogeneous) 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 work all materials, taxes, labor, T&P , etc. complete as per direction of Engineer-in-charge.</p>	-	55.73	Sqm
	i Un-Skilled	0.216	12.03768	-
	ii Highly-Skilled	0.216	12.03768	-
20	<p>Painting (AR0918cb) : Finishing wall two coats with weather coat with one coat waterbound Primer - Finishing wall two coats with weather coat with one coat waterbound 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>	-	81.4	Sqm
	i Un-Skilled	0.11776344086022	9.5859440860215	-
	ii Highly-Skilled	0.10776344086022	8.7719440860215	-

21	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.	-	3.92	Qntl
i	Un-Skilled	6.3976377952756	25.07874015748	-
ii	Semi-Skilled	1.9685039370079	7.7165354330709	-
iii	Skilled	3.9370078740157	15.433070866142	-
iv	Highly-Skilled	3.4448818897638	13.503937007874	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	311.60768744283	462	143962.75159859
1	Skilled	158.06536499114	562	88832.735125022
2	Highly-Skilled	70.877201954111	612	43376.847595916
3	Semi-Skilled	79.044594645571	512	40470.832458532
Total:				316643.16677806