

ESTIMATION DPR							
State	Odisha	District	Kendujhar	Block	Kendujhar Sadar	Gram Panchayat	Kathabari

Work Code	OD/361/3452/119457/386156/00014281 (CONSTRUCTION OF VANA SURAKHYA SAMITI BUILDING AT BARIGAON)
Project Category	Building

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Kendujhar Sadar	Proposal Date	-
Date of Commencement	18-07-2025	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	Subhashree Behera		

Administrative Approval Details

Approval No.	OD/361/3452/119457/386156/00014281/AS
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Technical Sanction Details

Technical Sanction No.	OD/361/3452/119457/386156/00014281/TS
Fund Sanction No.	18481
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>	-	28.27154692192	Cum

	i	Un-Skilled	0.516	14.588118211711	-
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.	-	9.3023581127456	Cum
	i	Un-Skilled	0.1236	1.1497714627354	-
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.	-	6.8918890969056	Cum
	i	Skilled	0.18	1.240540037443	-
	ii	Un-Skilled	3.9	26.878367477932	-

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.)	-	4.057231104	Cum
i	Un-Skilled	1.3333	5.4095062309632	-
ii	Skilled	0.175	0.7100154432	-
iii	Semi-Skilled	0.1323	0.5367716750592	-

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)	-	2.0738363206112	Cum
i	Un-Skilled	1.3333	2.7650459662709	-
ii	Skilled	0.35	0.72584271221392	-
iii	Semi-Skilled	0.3073	0.63728990132382	-

6	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)	-	3.7922000144	Cum
i	Un-Skilled	1.3333	5.0561402791995	-
ii	Skilled	5.33875	20.245607826878	-
iii	Semi-Skilled	5.29605	20.083680886263	-

7	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)	-	1.16753422832	Cum
i	Un-Skilled	1.3333	1.5566733866191	-
ii	Skilled	2.34375	2.736408347625	-
iii	Semi-Skilled	2.30105	2.6865546360757	-

8	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)	-	1.41208236064	Cum
i	Un-Skilled	1.3333	1.8827294114413	-
ii	Skilled	5.05	7.131015921232	-
iii	Semi-Skilled	5.0073	7.0707200044327	-

9	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)	-	5.388027541728	Cum
i	Un-Skilled	1.3333	7.1838571213859	-
ii	Skilled	3.15525	17.000573901037	-
iii	Semi-Skilled	3.11255	16.770505125005	-

10	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/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.	-	7.354351372336	Cum
i	Un-Skilled	2.96	21.768880062115	-
ii	Skilled	1.05	7.7220689409528	-
iii	Highly-Skilled	0.35	2.5740229803176	-

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>	-	19.32293408288	Cum
i	Un-Skilled	2.96	57.195884885325	-
ii	Skilled	1.05	20.289080787024	-
iii	Highly-Skilled	0.35	6.763026929008	-
12	<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>	-	16.101	Qntl

	i	Un-Skilled	0.8	12.8808	-
	ii	Highly-Skilled	0.3	4.8303	-
	iii	Semi-Skilled	0.044	0.708444	-
13		Plastering (AR1017) : 20mm thick cement Plaster in CM (1:4) over masonry work in inside. - 20mm thick cement Plaster in CM (1:4) over stone 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.	-	40.287850465	Sqm
	i	Un-Skilled	0.24	9.6690841116	-
	ii	Skilled	0.16	6.4460560744	-
14		Plastering (AR1004i) : 12mm thick cement plaster (1:6) over Brick work in outside. - 12mm thick cement plster (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.	-	117.6804344866	Sqm

	i	Un-Skilled	0.12	14.121652138392	-
	ii	Skilled	0.14	16.475260828124	-
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.	-	102.02235848	Sqm
	i	Un-Skilled	0.24	24.4853660352	-
	ii	Skilled	0.16	16.3235773568	-
16		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.	-	43.33088823	Sqm
	i	Un-Skilled	0.17	7.3662509991	-

	ii	Skilled	0.14	6.0663243522	-
17		Flooring (AR0802i) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips - 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.	-	2.43870375	Sqm
	i	Un-Skilled	0.36	0.87793335	-
	ii	Highly-Skilled	0.13	0.3170314875	-
18		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)	-	27.3276497075	Sqm
	i	Un-Skilled	0.216	5.90277233682	-
	ii	Highly-Skilled	0.216	5.90277233682	-

19	<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>	-	3.90935824	Sqm
i	Highly-Skilled	0.325	1.270541428	-
ii	Un-Skilled	0.325	1.270541428	-
iii	Semi-Skilled	0.76	2.9711122624	-

20	<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>	-	3.251605	Sqm
i	Un-Skilled	0.216	0.70234668	-
ii	Highly-Skilled	0.216	0.70234668	-
iii	Semi-Skilled	0.55	1.78838275	-

21	<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>	-	8.175464	Sqm
i	Un-Skilled	0.325	2.6570258	-
ii	Highly-Skilled	0.325	2.6570258	-
22	<p>miscellaneous (ARM105) : Labour for fitting and fixing of M.S. window grills including cost of screws complete. (Iron works) and as directed by Engineer-in-Charge. - Labour for fitting and fixing of M.S. window grills including cost of screws complete. (Iron works) and as directed by Engineer-in-Charge.</p>	-	11.77545525	Sqm

23	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.	-	3.4315	Qntl
i	Un-Skilled	6.3976377952756	21.953494094488	-
ii	Semi-Skilled	1.9685039370079	6.7549212598425	-
iii	Skilled	3.9370078740157	13.509842519685	-
iv	Highly-Skilled	3.4448818897638	11.821112204724	-
24	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	-	1.6258025	Sqm

	i	Un-Skilled	1.3888888888889	2.2580590277778	-
	ii	Semi-Skilled	1.0648148148148	1.731178587963	-
	iii	Skilled	0.7777777777778	1.2645130555556	-
	iv	Highly-Skilled	0.1944444444444	0.3161282638889	-
	v		0.4629629629629	0.75268634259259	-
25		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)	-	134.03859034	Sqm
	i	Un-Skilled	0.11776344086022	15.784845606491	-
	ii	Highly-Skilled	0.10776344086022	14.444459703091	-

26	<p>Painting (AR0918d) : Finishing wall with two coat water proofing cement paint including two coats cement wash on the inner surface of approved shade on old work(Inside) - Finishing wall with two coat water proofing cement paint including two coats cement wash on the inner surface of approved shade on 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. (Inside)</p>	-	65.1528739	Sqm
i	Un-Skilled	0.04952688172043	3.2268186793914	-
ii	Highly-Skilled	0.022	1.4333632258	-
iii	Skilled	0.010752688172043	0.70056853655914	-
27	<p>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)</p>	-	130.3057478	Sqm
i	Highly-Skilled	0.052	6.7758988856	-

	ii	Un-Skilled	0.062	8.0789563636	-
28		Painting (AR0903ak) : Painting two coats of enamel paint with a coat of wood primer new wood work in inner surface paint (Inside)(For repair and maintenance) . - Painting two coats of enamel paint with a coat of wood primer in new wood work 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)(For repair and maintenance)	-	25.7399374375	Sqm
	i	Highly-Skilled	0.19193548387097	4.940407346875	-
	ii	Un-Skilled	0.17548387096774	4.51694386	-

29	<p>Other Building Items. (AR1911) : Stainless steel of 304 grade in hand railing using 50mm dia of 2mm - Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with Balustrade of size 32mm x 32mm x 2mm @ 0.90mtr. C/C and stainless square pipe bracing of size 32mm x 32mm x 2mm in 3 rows in staircase as per approved design and specification, buffing, polishing etc with cost, conveyance, taxes of all materials, labour, T&P etc. required for the complete in all respect. and as per direction of Engineer in Charge</p>	-	6.095999804928	Rmt	
	i	Semi-Skilled	0.27300613496933	1.6642453455172	-
	ii	Highly-Skilled	0.27300613496933	1.6642453455172	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	281.18786500656	462	129908.79363303
1	Skilled	138.58729664093	562	77886.060712203
2	Semi-Skilled	63.403806433883	512	32462.748894148
3	Highly-Skilled	66.412682617142	612	40644.561761691
4		0.75268634259259	50	37.63431712963
				Total: 280939.7993182