

ESTIMATION DPR							
State	Odisha	District	Nayagarh	Block	Nayagarh	Gram Panchayat	Nabaghanapur

Work Code	OD/367/3527/120674/406250/00014379 (Construction of Lekhanpur VSS Lekhanpur)
Project Category	Building

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Nayagarh	Proposal Date	-
Date of Commencement	03-10-2025	Date of Completion	-
Scheme Name	Construction of Vana Suraksha Samiti Building	Scheme Component Name	Construction of Buildings for Vana Suraksha Samiti
Project Sub-Category	Vana Suraksha Samiti Building	Project Type	New Work
Name of Executant	Manoja Kumar Sethi		

Administrative Approval Details

Approval No.	OD/367/3527/120674/406250/00014379/AS
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Technical Sanction Details

Technical Sanction No.	OD/367/3527/120674/406250/00014379/TS
Fund Sanction No.	
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	-	24.50089599232	Cum

	i	Un-Skilled	0.516	12.642462332037	-
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.	-	20.107227210893	Cum
	i	Un-Skilled	0.1236	2.4852532832664	-
3		Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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.	-	6.5432124737664	Cum
	i	Un-Skilled	3.9	25.518528647689	-
	ii	Skilled	0.18	1.177778245278	-

4	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.	-	8.82480612608	Cum
i	Un-Skilled	2.96	26.121426133197	-
ii	Skilled	1.05	9.266046432384	-
iii	Highly-Skilled	0.35	3.088682144128	-

5	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/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.	-	22.34799517344	Cum
i	Un-Skilled	2.96	66.150065713382	-
ii	Skilled	1.05	23.465394932112	-
iii	Highly-Skilled	0.35	7.821798310704	-

6	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.)	-	4.141332	Cum
i	Un-Skilled	1.3333	5.5216379556	-
ii	Skilled	0.175	0.7247331	-
iii	Semi-Skilled	0.1323	0.5478982236	-

7	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)	-	1.9181669213216	Cum
i	Un-Skilled	1.3333	2.5574919561981	-
ii	Skilled	0.35	0.67135842246256	-
iii	Semi-Skilled	0.3073	0.58945269492213	-

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)	-	3.7143864674048	Cum
i	Un-Skilled	1.3333	4.9523914769908	-
ii	Skilled	5.33875	19.830180752857	-
iii	Semi-Skilled	5.29605	19.671576450699	-

9	R.C.C. Work (AR0404Bd) : Reinforced cement concrete work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips(RCC Lintels)(Nominal mix as per IS-456, Table-9). - Reinforced cement concrete work of M-20 grade with 20mm & downgrade 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)(Nominal mix as per IS-456, Table-9).	-	1.15552224176	Cum
i	Un-Skilled	1.3333	1.5406578049386	-
ii	Skilled	2.34375	2.708255254125	-
iii	Semi-Skilled	2.30105	2.6589144544018	-

10	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)	-	9.59502184	Sqm
i	Un-Skilled	0.08333125	0.7995651637045	-
ii	Skilled	0.3423	3.284375975832	-
iii	Semi-Skilled	0.33963125	3.2587692612965	-

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)	-	1.241373116	Cum
i	Un-Skilled	1.3333	1.6551227755628	-
ii	Skilled	5.05	6.2689342358	-
iii	Semi-Skilled	5.0073	6.2159276037468	-

12	<p>R.C.C. Work (AR0404Bg) : First Floor - Reinforced cement concrete work of M-20 grade with 20mm & downgrade 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, lending, balcony, sun shed)(Nominal mix as per IS-456, Table-9).</p>	-	5.44538576864	Cum
i	Un-Skilled	1.533295	8.3493827721269	-
ii	Skilled	3.7813	20.590637206958	-
iii	Semi-Skilled	3.732195	20.323241538789	-
13	<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>	-	18	Qntl

	i	Un-Skilled	0.8	14.4	-
	ii	Highly-Skilled	0.3	5.4	-
	iii	Semi-Skilled	0.044	0.792	-
14		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.	-	43.57429409	Sqm
	i	Un-Skilled	0.24	10.4578305816	-
	ii	Skilled	0.16	6.9718870544	-
15		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.	-	31.7631269268	Sqm

	i	Un-Skilled	0.17	5.399731577556	-
	ii	Skilled	0.14	4.446837769752	-
16		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.	-	133.5573528	Sqm
	i	Un-Skilled	0.24	32.053764672	-
	ii	Skilled	0.16	21.369176448	-
17		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.	-	119.8741901868	Sqm
	i	Un-Skilled	0.12	14.384902822416	-

	ii	Skilled	0.14	16.782386626152	-
18		Flooring (AR0802ii) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips - 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.	-	29.3476489268	Sqm
	i	Un-Skilled	0.36	10.565153613648	-
	ii	Highly-Skilled	0.13	3.815194360484	-
19		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.	-	285.1943	Sqm
	i	Highly-Skilled	0.053763440860215	15.33302688172	-
	ii	Un-Skilled	0.053763440860215	15.33302688172	-

20	<p>Painting (AR0918f) : Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside) - Finishing wall with two coat weather coat paint of approved shade 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>	-	149.4424279968	Sqm
i	Un-Skilled	0.064	9.5643153917952	-
ii	Highly-Skilled	0.054	8.0698911118272	-
21	<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>	-	15.35779493	Sqm
i	Highly-Skilled	0.052	0.79860533636	-
ii	Un-Skilled	0.062	0.95218328566	-

22	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.	-	4.8	Qntl
i	Un-Skilled	6.3976377952756	30.708661417323	-
ii	Semi-Skilled	1.9685039370079	9.4488188976378	-
iii	Skilled	3.9370078740157	18.897637795276	-
iv	Highly-Skilled	3.4448818897638	16.535433070866	-
23	Painting (AR0901b) : Priming one coat in inner surface with primer of approved quality over iron work. - Priming one coat in inner surface with primer of approved quality over iron work including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.	-	25.548325	Sqm
i	Highly-Skilled	0.053763440860215	1.3735658602151	-
ii	Un-Skilled	0.053763440860215	1.3735658602151	-

24	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)	-	25.548325	Sqm
i	Highly-Skilled	0.13440860215054	3.4339146505376	-
ii	Un-Skilled	0.11827956989247	3.0218448924731	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	306.5089670111	462	141607.14275913
1	Skilled	156.45562025139	562	87928.058581281
2	Highly-Skilled	65.670111726842	612	40190.108376828
3	Semi-Skilled	63.506599125094	512	32515.378752048
Total:				302240.68846928