

ESTIMATION DPR							
State	Odisha	District	Dhenkanal	Block	Kankada Had	Gram Panchayat	Maruabili

Work Code	OD/352/3354/117383/402471/00019049 (Provision Of Facility Centre At Maruabili GP Hqrs)
Project Category	Building

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Kankada Had	Proposal Date	-
Date of Commencement	16-12-2025	Date of Completion	17-01-2026
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Provision of Facilities at GP Head Quarter
Project Sub-Category	GP Facility Centre	Project Type	New Work
Name of Executant	Sushanta Kumar Garanayak		

Administrative Approval Details

Approval No.	OD/352/3354/117383/402471/00019049/AS
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Technical Sanction Details

Technical Sanction No.	OD/352/3354/117383/402471/00019049/TS
Fund Sanction No.	11938
Fund Sanction Amount (in Rs.)	1000000

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	-	32.586	Cum

	i	Un-Skilled	0.516	16.814376	-
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.	-	26.14775	Cum
	i	Un-Skilled	0.1236	3.2318619	-
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.	-	7.7565	Cum
	i	Skilled	0.18	1.39617	-
	ii	Un-Skilled	3.9	30.25035	-

4	<p>R.C.C. Work (AR0404A) : 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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)</p>	-	22.17967	Cum
	i Un-Skilled	1.533295	34.00797711265	-
	ii Skilled	0.115	2.55066205	-
	iii Semi-Skilled	0.065895	1.46152935465	-
5	<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>	-	19.692	Qntl

	i	Un-Skilled	0.8	15.7536	-
	ii	Highly-Skilled	0.3	5.9076	-
	iii	Semi-Skilled	0.044	0.866448	-
6		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.	-	12.750375	Cum
	i	Un-Skilled	2.96	37.74111	-
	ii	Skilled	1.05	13.38789375	-
	iii	Highly-Skilled	0.35	4.46263125	-

7	<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>	-	20.59875	Cum
	i Un-Skilled	2.96	60.9723	-
	ii Skilled	1.05	21.6286875	-
	iii Highly-Skilled	0.35	7.2095625	-
8	<p>R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc</p>	-	30.726	Sqm

	i	Semi-Skilled	0.05	1.5363	-
	ii	Skilled	0.05	1.5363	-
9		Plastering (AR1004) : First Floor - 12mm thick cement plaster (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.	-	61.3515	Sqm
	i	Un-Skilled	0.1236	7.5830454	-
	ii	Skilled	0.1442	8.8468863	-
10		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.	-	174.835	Sqm
	i	Un-Skilled	0.24	41.9604	-

	ii	Skilled	0.16	27.9736	-
11		Iron Work (AR1702) : Iron work wrought and put up in window grating including drilling holes in choukathas - Iron work wrought and put up in window grating including drilling holes in choukathas including all cost of labour, material, machinery and T & P required for the work etc. as per direction of Engineer-in-Charge.	-	1.9100718	Qntl
	i	Semi-Skilled	1.4763779527559	2.8199878937008	-
	ii	Skilled	1.4763779527559	2.8199878937008	-
12		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.	-	299.035	Sqm
	i	Highly-Skilled	0.053763440860215	16.077150537634	-
	ii	Un-Skilled	0.053763440860215	16.077150537634	-

13	<p>miscellaneous (ARM120) : Wall painting with any approved paint 1 coat (Labour only) (Painting) and as directed by Engineer-in-Charge. - Wall painting with any approved paint 1 coat (Labour only) (Painting) and as directed by Engineer-in-Charge.</p>	-	21.5775	Sqm
14	<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>	-	61.8975	Sqm
	i Un-Skilled	0.11776344086022	7.2892625806452	-
	ii Highly-Skilled	0.10776344086022	6.6702875806452	-
15	<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>	-	237.0775	Sqm

	i	Highly-Skilled	0.052	12.32803	-
	ii	Un-Skilled	0.062	14.698805	-
16		Painting (AR0905) : Painting two coats of enamel on old wood work in inner surface paint - Painting two coats of enamel paint on old wood work in inner surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Inside)	-	22.365	Sqm
	i	Highly-Skilled	0.13440860215054	3.0060483870968	-
	ii	Un-Skilled	0.11827956989247	2.6453225806452	-
17		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)	-	40.065	Sqm
	i	Un-Skilled	0.216	8.65404	-

	ii	Highly-Skilled	0.216	8.65404	-
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>	-	10.8	Sqm
	i	Un-Skilled	0.216	2.3328	-
	ii	Highly-Skilled	0.216	2.3328	-
	iii	Semi-Skilled	0.55	5.94	-

19	<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>	-	62.3725	Sqm
i	Un-Skilled	0.325	20.2710625	-
ii	Highly-Skilled	0.325	20.2710625	-

20	Other Building Items. (AR1907) : aluminum sliding window (sliding type) - Supplying, fitting, fixing up window (sliding type) made up aluminum Section 9778,as windows frame, section No. 4095,4096 and 9777, 3994 as shutter frame with 5mm thick black glass as panel fitted with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour, T&P etc. complete as per direction of Engineer-incharge.	-	3.45	Sqm
i	Un-Skilled	1.006711409396	3.4731543624161	-
ii	Semi-Skilled	1.006711409396	3.4731543624161	-
iii	Skilled	0.33557046979866	1.1577181208054	-
iv	Highly-Skilled	0.33557046979866	1.1577181208054	-

21	<p>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</p>	-	3.15	Sqm
i	Un-Skilled	1.3888888888889	4.375	-
ii	Semi-Skilled	1.0648148148148	3.3541666666667	-
iii	Skilled	0.7777777777778	2.45	-
iv	Highly-Skilled	0.1944444444444	0.6125	-
v		0.46296296296296	1.4583333333333	-

22	<p>R.C.C. Work (AR0410d) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting - Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. beams, column, grider and bressmer, etc. Data for 4.2sqm</p>	-	55.22	Sqm
i	Semi-Skilled	0.6547619047619	36.155952380952	-
ii	Skilled	0.6547619047619	36.155952380952	-
23	<p>R.C.C. Work (AR0410e) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting - Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. Lintels Data for 7.8 sqm</p>	-	6.99	Sqm
i	Semi-Skilled	0.16025641025641	1.1201923076923	-
ii	Skilled	0.16025641025641	1.1201923076923	-

24	R.C.C. Work (AR0410a) : Centring & Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas - Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height	-	56.2575	Sqm
i	Semi-Skilled	0.305555555555556	17.189791666667	-
ii	Skilled	0.305555555555556	17.189791666667	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	328.13161797399	462	151596.80750398
1	Skilled	138.21384196982	562	77676.179187037
2	Semi-Skilled	73.917522632745	512	37845.771587965
3	Highly-Skilled	88.689430876182	612	54277.931696223
4		1.45833333333333	50	72.916666666667
Total:				321469.60664188