

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

Work Code	OD/361/3452/119449/386028/00013426 (Provision of Facility centre at Baradapal)
Project Category	Building

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Kendujhar Sadar	Proposal Date	10-05-2023
Date of Commencement	16-04-2025	Date of Completion	-
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	Ranjan Kumar Swain		

Administrative Approval Details

Approval No.	OD/361/3452/119449/386028/00013426/AS
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Technical Sanction Details

Technical Sanction No.	OD/361/3452/119449/386028/00013426/TS
Fund Sanction No.	12951
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	-	38.56053	Cum

	i	Un-Skilled	0.516	19.89723348	-
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.	-	37.910176666667	Cum
	i	Un-Skilled	0.1236	4.685697836	-
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.	-	10.29249	Cum
	i	Skilled	0.18	1.8526482	-
	ii	Un-Skilled	3.9	40.140711	-

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.	-	11.82765	Cum
i	Un-Skilled	2.96	35.009844	-
ii	Skilled	1.05	12.4190325	-
iii	Highly-Skilled	0.35	4.1396775	-

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.	-	13.230525	Cum
i	Un-Skilled	2.96	39.162354	-
ii	Skilled	1.05	13.89205125	-
iii	Highly-Skilled	0.35	4.63068375	-

6	R.C.C. Work (AR0405Ab) : Reinforced cement concrete work of M-25 grade with 20mm & down grade size black hard crusher broken granite chips - Reinforced cement concrete work of M-25 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)	-	8.648875	Cum
i	Un-Skilled	1.3333	11.5315450375	-
ii	Skilled	0.35	3.02710625	-
iii	Semi-Skilled	0.3073	2.6577992875	-

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)	-	2.750625	Cum
i	Un-Skilled	1.3333	3.6674083125	-
ii	Skilled	2.34375	6.44677734375	-
iii	Semi-Skilled	2.30105	6.32932565625	-

8	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)	-	6.95387	Cum
i	Un-Skilled	1.3333	9.271594871	-
ii	Skilled	3.15525	21.9411983175	-
iii	Semi-Skilled	3.11255	21.6442680685	-

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)	-	4.96687	Cum
i	Un-Skilled	1.3333	6.622327771	-
ii	Skilled	5.33875	26.5168772125	-
iii	Semi-Skilled	5.29605	26.3047918635	-

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>	-	22.9525	Qntl
i	Un-Skilled	0.8	18.362	-
ii	Highly-Skilled	0.3	6.88575	-
iii	Semi-Skilled	0.044	1.00991	-
11	<p>Concrete (AR0317) : 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips - 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete as per specifaion and direction of Engineer-in charge. (new work)</p>	-	57.2	Sqm
i	Un-Skilled	0.36	20.592	-

	ii	Highly-Skilled	0.1	5.72	-
12		Plastering (AR1026) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces (inside) - 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside 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.	-	74.9742	Sqm
	i	Un-Skilled	0.12	8.996904	-
	ii	Skilled	0.14	10.496388	-
13		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.	-	136.4073	Sqm
	i	Un-Skilled	0.24	32.737752	-
	ii	Skilled	0.16	21.825168	-

14	<p>Plastering (AR1004i) : 12mm thick cement plaster (1:6) over Brick work in outside.</p> <p>- 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.</p>	-	171.1125	Sqm
i	Un-Skilled	0.12	20.5335	-
ii	Skilled	0.14	23.95575	-
15	<p>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.</p>	-	34.338	Sqm
i	Un-Skilled	0.36	12.36168	-
ii	Highly-Skilled	0.13	4.46394	-

16	<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>	-	9.9368	Sqm
i	Un-Skilled	0.216	2.1463488	-
ii	Highly-Skilled	0.216	2.1463488	-
iii	Semi-Skilled	0.55	5.46524	-

17	<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>	-	21.3256	Sqm
i	Un-Skilled	0.325	6.93082	-
ii	Highly-Skilled	0.325	6.93082	-
18	<p>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.</p>	-	3.99784572	Qntl
i	Un-Skilled	6.3976377952756	25.576768877953	-

	ii	Semi-Skilled	1.9685039370079	7.8697750393701	-
	iii	Skilled	3.9370078740157	15.73955007874	-
	iv	Highly-Skilled	3.4448818897638	13.772106318898	-
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.	-	161.3816	Sqm
	i	Highly-Skilled	0.053763440860215	8.6764301075269	-
	ii	Un-Skilled	0.053763440860215	8.6764301075269	-
20		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)	-	161.3816	Sqm

	i	Highly-Skilled	0.052	8.3918432	-
	ii	Un-Skilled	0.062	10.0056592	-
21		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)	-	199.787	Sqm
	i	Un-Skilled	0.11776344086022	23.52760455914	-
	ii	Highly-Skilled	0.10776344086022	21.52973455914	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	360.43618385262	452	162917.15510138
1	Skilled	158.11254715249	552	87278.126028175
2	Highly-Skilled	87.287334235564	602	52546.97520981
3	Semi-Skilled	71.28110991512	502	35783.11717739

Total: 338525.37351676