

ESTIMATION DPR							
State	Odisha	District	Cuttack	Block	Kantapada	Gram Panchayat	Brahmanbati

Work Code	OD/350/3338/116975/400217/00019012 (Provision Of Facility Centre At Brahmanbati GP Office)
Project Category	Building

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Kantapada	Proposal Date	18-07-2023
Date of Commencement	13-09-2025	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	Lipika Behera		

Administrative Approval Details

Approval No.	OD/350/3338/116975/400217/00019012/AS
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Technical Sanction Details

Technical Sanction No.	OD/350/3338/116975/400217/00019012/TS
Fund Sanction No.	15219
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	-	29.204814848	Cum

	i	Un-Skilled	0.516	15.069684461568	-
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.	-	40.752773326797	Cum
	i	Un-Skilled	0.1236	5.0370427831921	-
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.	-	10.659548554803	Cum
	i	Skilled	0.18	1.9187187398645	-
	ii	Un-Skilled	3.9	41.572239363732	-

4	Masonry Brick Work (AR0603c) : Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth - Brickwork with Flyash Bricks of size (23cm x 11cm 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.	-	12.81156733368	Cum
i	Un-Skilled	2.96	37.922239307693	-
ii	Skilled	1.05	13.452145700364	-
iii	Highly-Skilled	0.35	4.484048566788	-

5	<p>Masonry Brick Work (AR0603ci) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - Brickwork with Flyash 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>	-	24.47549582272	Cum
i	Un-Skilled	2.96	72.447467635251	-
ii	Skilled	1.05	25.699270613856	-
iii	Highly-Skilled	0.35	8.566423537952	-

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.)	-	3.7150615116	Cum
i	Un-Skilled	1.3333	4.9532915134163	-
ii	Skilled	0.175	0.65013576453	-
iii	Semi-Skilled	0.1323	0.49150263798468	-

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)	-	2.65301231872	Cum
i	Un-Skilled	1.3333	3.5372613245494	-
ii	Skilled	0.35	0.928554311552	-
iii	Semi-Skilled	0.3073	0.81527068554266	-

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)	-	4.23626831952	Cum
i	Un-Skilled	1.3333	5.648216550416	-
ii	Skilled	5.33875	22.616377490837	-
iii	Semi-Skilled	5.29605	22.435488833594	-

9	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)	-	1.817619996	Cum
i	Un-Skilled	1.3333	2.4234327406668	-
ii	Skilled	2.34375	4.260046865625	-
iii	Semi-Skilled	2.30105	4.1824344917958	-

10	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)	-	8.094498864	Cum
i	Un-Skilled	1.3333	10.792395335371	-
ii	Skilled	3.15525	25.540167540636	-
iii	Semi-Skilled	3.11255	25.194532439143	-

11	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)	-	7.8595938	Sqm
i	Un-Skilled	0.08333125	0.65494977584625	-
ii	Skilled	0.3423	2.69033895774	-
iii	Semi-Skilled	0.33963125	2.6693636667862	-

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>	-	20.4	Qntl
i	Un-Skilled	0.8	16.32	-
ii	Highly-Skilled	0.3	6.12	-
iii	Semi-Skilled	0.044	0.8976	-
13	<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>	-	156.49881962	Sqm
i	Un-Skilled	0.24	37.5597167088	-

	ii	Skilled	0.16	25.0398111392	-
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.	-	117.42753394	Sqm
	i	Un-Skilled	0.12	14.0913040728	-
	ii	Skilled	0.14	16.4398547516	-
15		Plastering (AR1017i) : 20mm thick cement Plaster in CM (1:4) over masonry work in outside - 20mm thick cement Plaster in CM (1:4) over stone 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.	-	69.88628175	Sqm
	i	Un-Skilled	0.24	16.77270762	-
	ii	Skilled	0.16	11.18180508	-

16	<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>	-	53.6582458384	Sqm
i	Un-Skilled	0.17	9.121901792528	-
ii	Skilled	0.14	7.512154417376	-
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>	-	56.57421088	Sqm

	i	Un-Skilled	0.325	18.386618536	-
	ii	Highly-Skilled	0.325	18.386618536	-
18		<p>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)</p>	-	53.6582458384	Sqm
	i	Un-Skilled	0.216	11.590181101094	-
	ii	Highly-Skilled	0.216	11.590181101094	-
19		<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>	-	210.17910205	Sqm

	i	Highly-Skilled	0.053763440860215	11.299951723118	-
	ii	Un-Skilled	0.053763440860215	11.299951723118	-
20		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.	-	105.72175594	Sqm
	i	Highly-Skilled	0.053763440860215	5.6839653731183	-
	ii	Un-Skilled	0.053763440860215	5.6839653731183	-
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)	-	105.72175594	Sqm
	i	Un-Skilled	0.11776344086022	12.450157753278	-

	ii	Highly-Skilled	0.10776344086022	11.392940193878	-
22		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)	-	156.50532283	Sqm
	i	Highly-Skilled	0.052	8.13827678716	-
	ii	Un-Skilled	0.062	9.70333001546	-
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.	-	1	Qntl
	i	Un-Skilled	6.3976377952756	6.3976377952756	-
	ii	Semi-Skilled	1.9685039370079	1.9685039370079	-
	iii	Skilled	3.9370078740157	3.9370078740157	-

iv	Highly-Skilled	3.4448818897638	3.4448818897638	-
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SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	369.43569328317	462	170679.29029683
1	Skilled	161.8663892472	562	90968.910756925
2	Highly-Skilled	89.107287708873	612	54533.66007783
3	Semi-Skilled	58.654696691854	512	30031.204706229
Total:				346213.06583781