

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Koraput	<b>Block</b>	Semiliguda	<b>Gram Panchayat</b>	Hataguda

<b>Work Code</b>	OD/363/3479/119917/429898/00047593 (Provision of Facility Centre at Hataguda GP Hqr)
<b>Project Category</b>	Building

<b>Financial Year</b>	2022-23	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Semiliguda	<b>Proposal Date</b>	12-12-2023
<b>Date of Commencement</b>	11-08-2025	<b>Date of Completion</b>	-
<b>Scheme Name</b>	5th SFC Grant in Aid	<b>Scheme Component Name</b>	Provision of Facilities at GP Head Quarter
<b>Project Sub-Category</b>	GP Facility Centre	<b>Project Type</b>	New Work
<b>Name of Executant</b>	SMT SWARNAPRAVA NAIK		

### Administrative Approval Details

<b>Approval No.</b>	OD/363/3479/119917/429898/00047593/AS
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### Technical Sanction Details

<b>Technical Sanction No.</b>	OD/363/3479/119917/429898/00047593/TS
<b>Fund Sanction No.</b>	6056
<b>Fund Sanction Amount (in Rs.)</b>	1000000

### LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<b>Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b> 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	-	51.72075	Cum

	i	Un-Skilled	0.516	26.687907	-
2		<b>Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed -</b> 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.	-	22.63725	Cum
	i	Un-Skilled	0.1236	2.7979641	-
3		<b>Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal -</b> 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.	-	7.95375	Cum
	i	Skilled	0.18	1.431675	-
	ii	Un-Skilled	3.9	31.019625	-

4	<b>Masonry Stone Work (AR0703) :</b> <b>Random rubble H.G. stone of masonry. -</b> Random rubble H.G. stone of size not less than 0.0025 cum stacked masonry in cement mortar (1:6) in foundation and plinth including watering, curing for seven days 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.	-	23.94081	Cum
i	Un-Skilled	3.17	75.8923677	-
ii	Skilled	1.41	33.7565421	-
iii	Highly-Skilled	0.35	8.3792835	-

5	<b>R.C.C. Work (AR0404Aa) :</b> <b>Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b> 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.)	-	4.968765	Cum
i	Un-Skilled	1.3333	6.6248543745	-
ii	Skilled	0.175	0.869533875	-
iii	Semi-Skilled	0.1323	0.6573676095	-

6	<b>R.C.C. Work (AR0404Ab) : Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b> 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)	-	2.0102	Cum
i	Un-Skilled	1.3333	2.68019966	-
ii	Skilled	0.35	0.70357	-
iii	Semi-Skilled	0.3073	0.61773446	-

7	<b>R.C.C. Work (AR0404Ac) :</b> <b>Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b> 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)	-	3.816735	Cum
i	Un-Skilled	1.3333	5.0888527755	-
ii	Skilled	5.33875	20.37659398125	-
iii	Semi-Skilled	5.29605	20.21361939675	-

8	<b>R.C.C. Work (AR0404Ad) :</b> <b>Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b> 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)	-	1.209225	Cum
i	Un-Skilled	1.3333	1.6122596925	-
ii	Skilled	2.34375	2.83412109375	-
iii	Semi-Skilled	2.30105	2.78248718625	-

9	<b>R.C.C. Work (AR0404Ag) :</b> <b>Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b> 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)	-	7.825	Cum
i	Un-Skilled	1.3333	10.4330725	-
ii	Skilled	3.15525	24.68983125	-
iii	Semi-Skilled	3.11255	24.35570375	-

10	<b>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 &amp; P required for the work etc. comp.and as per direction of Engineer-in-charge.</b>	-	76.695	Sqm
i	Un-Skilled	0.12	9.2034	-
ii	Skilled	0.14	10.7373	-
11	<b>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 &amp; P required for the work etc comp.and as per direction of Engineer-in-charge.</b>	-	124.845	Sqm
i	Un-Skilled	0.24	29.9628	-
ii	Skilled	0.16	19.9752	-

12	<p><b>Plastering (AR1008) :</b>  <b>20mm thick cement Plaster in CM (1:6) over brick work in inside.</b> - 20mm thick cement Plaster in CM (1:6) for 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 &amp; P required for the work etc comp.and as per direction of Engineer-in-charge.</p>	-	33.58125	Sqm
i	Un-Skilled	0.24	8.0595	-
ii	Skilled	0.16	5.373	-
13	<p><b>Concrete (AR0307) :</b>  <b>Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum -</b>  Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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&amp;P required for the work etc. complete as per specifaion and direction of Engineer-in charge.</p>	-	3.2844	Cum
i	Un-Skilled	4.6	15.10824	-
ii	Skilled	0.68	2.233392	-

14	<b>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 -</b> 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.	-	18.90401	Qntl
i	Un-Skilled	0.8	15.123208	-
ii	Highly-Skilled	0.3	5.671203	-
iii	Semi-Skilled	0.044	0.83177644	-

15	<p><b>Flooring (AR0817b) :</b>  <b>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) -</b> 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>	-	36.5325	Sqm
i	Un-Skilled	0.325	11.8730625	-
ii	Highly-Skilled	0.325	11.8730625	-

16	<p><b>Other Building Items. (AR1901B) : Vitrified Tile 600mmx600mm Plain Ivory</b> - Supplying, fitting &amp; 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&amp;P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)</p>	-	49.7675	Sqm
i	Un-Skilled	0.216	10.74978	-
ii	Highly-Skilled	0.216	10.74978	-
17	<p><b>Other Building Items. (AR1907) : aluminum sliding window (sliding type)</b> - 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&amp;P etc. complete as per direction of Engineer-incharge.</p>	-	3.6	Sqm
i	Un-Skilled	1.006711409396	3.6241610738255	-

	ii	Semi-Skilled	1.006711409396	3.6241610738255	-
	iii	Skilled	0.33557046979866	1.2080536912752	-
	iv	Highly-Skilled	0.33557046979866	1.2080536912752	-
18		<b>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&amp;P required for the work etc. complete as per specificaion and direction of Engineer-in charge. (new work)</b>	-	59.7025	Sqm
	i	Un-Skilled	0.36	21.4929	-
	ii	Highly-Skilled	0.1	5.97025	-

19	<p><b>Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface) -</b> 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&amp;P required for the work complete as per direction of the Engineer-in-charge.</p>	-	110.865	Sqm
i	Highly-Skilled	0.053763440860215	5.9604838709677	-
ii	Un-Skilled	0.053763440860215	5.9604838709677	-
20	<p><b>Painting (AR0918c) : Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new work (Outside) -</b> Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new 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>	-	88.53	Sqm
i	Un-Skilled	0.042752688172043	3.784895483871	-
ii	Highly-Skilled	0.022	1.94766	-

	iii	Skilled	0.0080645161290323	0.71395161290323	-
21		<p><b>Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure -</b>  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<sup>2</sup> 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&amp;P required for the work, etc. complete and as per direction of Engineer-in-charge.</p>	-	25.060425	Cum
	i	Un-Skilled	2.96	74.178858	-
	ii	Skilled	1.05	26.31344625	-
	iii	Highly-Skilled	0.35	8.77114875	-
22		<p><b>Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) -</b>  Finishing wall two coats with plastic emulsion paint 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>	-	94.545	Sqm

	i	Highly-Skilled	0.054	5.10543	-
	ii	Un-Skilled	0.064	6.05088	-
23		<b>Other Building Items. (AR1909) : Al. door with OEL anodized Al. door section of 9202 as vertical member -</b> 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	-	7.5	Sqm
	i	Un-Skilled	1.3888888888889	10.416666666667	-
	ii	Semi-Skilled	1.0648148148148	7.9861111111111	-
	iii	Skilled	0.7777777777778	5.8333333333333	-
	iv	Highly-Skilled	0.1944444444444	1.4583333333333	-
	v		0.46296296296296	3.4722222222222	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
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0	Un-Skilled	388.42593839783	462	179452.7835398
1	Skilled	157.04954418751	562	88261.843833382
2	Highly-Skilled	67.094688645576	612	41061.949451093
3	Semi-Skilled	61.068961027437	512	31267.308046048
4		3.4722222222222	50	173.61111111111
				<b>Total: 340217.49598143</b>