

ESTIMATION DPR							
State	Odisha	District	Jharsuguda	Block	Jharsuguda	Gram Panchayat	Marakuta

Work Code	OD/357/3404/118527/381116/00013553 (Provision of facility centre at Marakuta GP Hqrs)
Project Category	Building

Financial Year	2022-23	Execution Level	PS
Executing Agency	Panchayat Samiti, Jharsuguda	Proposal Date	02-11-2023
Date of Commencement	22-07-2025	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	Rajesh Kumar Singh		

Administrative Approval Details

Approval No.	OD/357/3404/118527/381116/00013553/AS
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Technical Sanction Details

Technical Sanction No.	OD/357/3404/118527/381116/00013553/TS
Fund Sanction No.	1111
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	-	32.838709792	Cum

	i	Un-Skilled	0.516	16.944774252672	-
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.	-	25.50150693216	Cum
	i	Un-Skilled	0.1236	3.151986256815	-
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.	-	13.190325006726	Cum
	i	Skilled	0.18	2.3742585012107	-
	ii	Un-Skilled	3.9	51.442267526231	-

4	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.)	-	4.515963264	Cum
i	Un-Skilled	1.3333	6.0211338198912	-
ii	Skilled	0.175	0.7902935712	-
iii	Semi-Skilled	0.1323	0.5974619398272	-

5	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)	-	2.164483098	Cum
i	Un-Skilled	1.3333	2.8859053145634	-
ii	Skilled	0.35	0.7575690843	-
iii	Semi-Skilled	0.3073	0.6651456560154	-

6	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)	-	5.031665286	Cum
i	Un-Skilled	1.3333	6.7087193258238	-
ii	Skilled	5.33875	26.862803045632	-
iii	Semi-Skilled	5.29605	26.64795093792	-

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)	-	0.184873308	Cum
i	Un-Skilled	1.3333	0.2464915815564	-
ii	Skilled	2.34375	0.433296815625	-
iii	Semi-Skilled	2.30105	0.4254027253734	-

8	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)	-	1.56396659664	Cum
i	Un-Skilled	1.3333	2.0852366633001	-
ii	Skilled	5.05	7.898031313032	-
iii	Semi-Skilled	5.0073	7.8312499393555	-

9	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)	-	7.9016282403936	Cum
i	Un-Skilled	1.3333	10.535240932917	-
ii	Skilled	3.15525	24.931612505502	-
iii	Semi-Skilled	3.11255	24.594212979637	-

10	<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>	-	18.651285072	Cum
i	Un-Skilled	2.96	55.20780381312	-
ii	Skilled	1.05	19.5838493256	-
iii	Highly-Skilled	0.35	6.5279497752	-
11	<p>Concrete (AR0307a) : Cement concrete (1:2:4)with 12mm size hard granite(Hand broken)chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(hand broken) chips including hoisting and laying in position compacting to proper thickness 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.</p>	-	1.5291072	Cum

	i	Un-Skilled	4.6	7.03389312	-
	ii	Skilled	0.68	1.039792896	-
12		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.	-	5.8305211496	Cum
	i	Un-Skilled	2.96	17.258342602816	-
	ii	Skilled	1.05	6.12204720708	-
	iii	Highly-Skilled	0.35	2.04068240236	-

13	<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>	-	58.6701583018	Sqm
i	Un-Skilled	0.17	9.973926911306	-
ii	Skilled	0.14	8.213822162252	-
14	<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>	-	133.12442482	Sqm
i	Un-Skilled	0.24	31.9498619568	-
ii	Skilled	0.16	21.2999079712	-

15	Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside - 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.	-	74.0901425	Sqm
i	Un-Skilled	0.12	8.8908171	-
ii	Skilled	0.14	10.37261995	-
16	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.	-	18.5	Qntl
i	Un-Skilled	0.8	14.8	-
ii	Highly-Skilled	0.3	5.55	-

	iii	Semi-Skilled	0.044	0.814	-
17		Flooring (AR0817aa) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) - Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.	-	4.5257324838	Sqm
	i	Highly-Skilled	0.325	1.470863057235	-
	ii	Un-Skilled	0.325	1.470863057235	-
	iii	Semi-Skilled	0.76	3.439556687688	-

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>	-	22.67111909	Sqm
i	Un-Skilled	0.216	4.89696172344	-
ii	Highly-Skilled	0.216	4.89696172344	-
iii	Semi-Skilled	0.55	12.4691154995	-

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>	-	40.20284422	Sqm
i	Un-Skilled	0.325	13.0659243715	-
ii	Highly-Skilled	0.325	13.0659243715	-

20	<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>	-	47.0874767768	Sqm
i	Un-Skilled	0.216	10.170894983789	-
ii	Highly-Skilled	0.216	10.170894983789	-
21	<p>Flooring (AR0816e) : Fixing Granite Tiles Up to 0.10 Sqm. 10mm thick in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 - Fixing Granite Tiles Up to 0.10 Sqm. 10mm thick 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 Granite tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.</p>	-	9.888130805	Sqm
i	Un-Skilled	0.216	2.13583625388	-

	ii	Highly-Skilled	0.216	2.13583625388	-
	iii	Semi-Skilled	0.55	5.43847194275	-
22		<p>Flooring (AR0816f) : Fixing Granite Tiles Above 0.10 Sqm & up to 0.4 sqm (10mm. thick) in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 - Fixing Granite Tiles Above 0.10 Sqm & up to 0.4 sqm (10mm. thick) 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 Granite tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in- charge.</p>	-	5.151935865	Sqm
	i	Un-Skilled	0.216	1.11281814684	-
	ii	Highly-Skilled	0.216	1.11281814684	-
	iii	Semi-Skilled	0.55	2.83356472575	-

23	<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>	-	123.271597155	Sqm
i	Highly-Skilled	0.052	6.41012305206	-
ii	Un-Skilled	0.062	7.64283902361	-
24	<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>	-	66.8437085	Sqm
i	Un-Skilled	0.11776344086022	7.8717451128172	-
ii	Highly-Skilled	0.10776344086022	7.2033080278172	-

25	Painting (AR0901a) : Priming one coat in inner surface with primer of approved quality over woodwork - Priming one coat in inner surface with primer of approved quality over woodwork including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.	-	35.802493625	Sqm
i	Highly-Skilled	0.053763440860215	1.9248652486559	-
ii	Un-Skilled	0.053763440860215	1.9248652486559	-
26	Painting (AR0903a) : Painting two coats of enamel paint with a coat of wood primer in inner surface paint (Inside) - Painting two coats of enamel paint with a coat of wood primer in inner surface paint including all costs of labour, Paint, Primer, brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Inside)	-	35.876816025	Sqm
i	Highly-Skilled	0.18817204301075	6.7510137681452	-
ii	Un-Skilled	0.17204301075269	6.1723554451613	-

27	Painting (AR0922a) : Finishing wall surface with two coats with distemper of approved shades above one coat oil bound Primer on new work (Inside) - Finishing wall surface with two coats with distemper of approved shades above one coat oil bound Primer on new work to give an even shade including all costs of labor, Paint, Primer, Brushes and putty required for the work, etc. complete and as per direction of the Engineer-in- charge.(Inside)	-	178.7988469668	Sqm
i	Highly-Skilled	0.10576344086022	18.910381277048	-
ii	Un-Skilled	0.11576344086022	20.698369746716	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	322.29987429146	462	148902.54192265
1	Skilled	130.67990434863	562	73442.106243932
2	Semi-Skilled	85.756133033817	512	43907.140113314
3	Highly-Skilled	88.17162208797	612	53961.032717838
Total:				320212.82099774