

ESTIMATION DPR

State	Odisha	District	Sundargarh	Block	Lathikata	Gram Panchayat	Balanda
--------------	--------	-----------------	------------	--------------	-----------	-----------------------	---------

Work Code	OD/373/3583/121676/384577/00026962 (Maintenance of RO Plant of Balanda)
Project Category	Building

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Lathikata	Proposal Date	06-02-2023
Date of Commencement	15-07-2025	Date of Completion	22-07-2025
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Maintenance of Capital Assets
Project Sub-Category	Primary Health Centre	Project Type	Repair and Maintenance
Name of Executant	MADHUSMITA SAHU		

Administrative Approval Details

Approval No.	OD/373/3583/121676/384577/00026962/AS
---------------------	---------------------------------------

Technical Sanction Details

Technical Sanction No.	OD/373/3583/121676/384577/00026962/TS
Fund Sanction No.	11826
Fund Sanction Amount (in Rs.)	300000

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	Dismantling (AR1603) : Dismantling brick or stone masonry under 3m. - Dismantling brick or stone masonry in lime or cement mortar under 3m. height including stacking the useful materials for reuse and removing the debris within 50m. Lead and as per direction of Engineer-in-Charge.	-	13.37082	Cum
i	Un-Skilled	3.0035335689046	40.159706713781	-

2	<p>Site Clearance (AR1406) : Dismantling of Prestressed / Reinforced cement concrete grade M-20 & above - Dismantling of Prestressed / Reinforced cement concrete grade M-20 & above including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres and as per direction of Engineer-in-Charge.</p>	-	4.66782	Cum
	i Un-Skilled	2.8	13.069896	-
	ii Skilled	0.2	0.933564	-
	iii Semi-Skilled	0.12	0.5601384	-
3	<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>	-	17.8117745	Cum

	i	Un-Skilled	2.96	52.72285252	-
	ii	Skilled	1.05	18.702363225	-
	iii	Highly-Skilled	0.35	6.234121075	-
4		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.	-	1.127149	Qntl
	i	Un-Skilled	0.8	0.9017192	-
	ii	Highly-Skilled	0.3	0.3381447	-
	iii	Semi-Skilled	0.044	0.049594556	-

5	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 & P required for the work etc. comp.and as per direction of Engineer-in-charge.	-	86.8672	Sqm
i	Un-Skilled	0.12	10.424064	-
ii	Skilled	0.14	12.161408	-
6	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.	-	55.92	Sqm
i	Un-Skilled	0.24	13.4208	-
ii	Skilled	0.16	8.9472	-

7	<p>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.</p>	-	16.41822	Cum
	i Un-Skilled	0.1236	2.029291992	-
8	<p>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.</p>	-	2.0522775	Cum
	i Skilled	0.18	0.36940995	-
	ii Un-Skilled	3.9	8.00388225	-

9	<p>Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - 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&P required for the work etc. complete as per specifaion and direction of Engineer-in charge.</p>	-	1.65151	Cum
i	Un-Skilled	4.6	7.596946	-
ii	Skilled	0.68	1.1230268	-
10	<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>	-	17.8992	Sqm
i	Un-Skilled	0.216	3.8662272	-

	ii	Highly-Skilled	0.216	3.8662272	-
11		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.	-	3.909	Sqm
	i	Un-Skilled	0.216	0.844344	-
	ii	Highly-Skilled	0.216	0.844344	-
	iii	Semi-Skilled	0.55	2.14995	-

12	Flooring (AR0816j) : Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 - Fixing Chequered Tiles 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 Chequered tiles including rubbing and polishing, cost of precast tiles complete as per direction of Enginer-in-charge.	-	3.48145	Sqm
i	Un-Skilled	0.216	0.7519932	-
ii	Highly-Skilled	0.216	0.7519932	-
iii	Semi-Skilled	0.55	1.9147975	-

13	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)	-	0.67482	Cum
i	Un-Skilled	1.3333	0.899737506	-
ii	Skilled	2.34375	1.581609375	-
iii	Semi-Skilled	2.30105	1.552794561	-

14	<p>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)</p>	-	0.101	Cum
i	Un-Skilled	1.3333	0.1346633	-
ii	Skilled	3.15525	0.31868025	-
iii	Semi-Skilled	3.11255	0.31436755	-
15	<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>	-	86.8672	Sqm

	i	Un-Skilled	0.11776344086022	10.229780369892	-
	ii	Highly-Skilled	0.10776344086022	9.3611083698925	-
16		<p>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)</p>	-	55.92	Sqm
	i	Highly-Skilled	0.10576344086022	5.9142916129032	-
	ii	Un-Skilled	0.11576344086022	6.4734916129032	-
17		<p>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)</p>	-	3.381	Sqm
	i	Highly-Skilled	0.18817204301075	0.63620967741935	-

ii	Un-Skilled	0.17204301075269	0.58167741935484	-
----	------------	------------------	------------------	---

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	172.11107328393	462	79515.315857176
1	Skilled	44.1372616	562	24805.1410192
2	Semi-Skilled	6.541642567	512	3349.320994304
3	Highly-Skilled	27.946439835215	612	17103.221179152
Total:				124772.99904983