

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Sundargarh	<b>Block</b>	Lathikata	<b>Gram Panchayat</b>	Balanda

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

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

### Administrative Approval Details

<b>Approval No.</b>	OD/373/3583/121676/384577/00026962/AS
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### Technical Sanction Details

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

### MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<b>Dismantling (AR1603)</b> ∴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.	-	<b>13.37082</b>	Cum

2	<p><b>Site Clearance (AR1406)</b>  <b>:.Dismantling of Prestressed / Reinforced cement concrete grade M-20 &amp; above</b> - Dismantling of Prestressed / Reinforced cement concrete grade M-20 &amp; above including T&amp;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
3	<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>	-	17.8117745	Cum
i)	<b>BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK</b>	1	17.8117745	1 Cum
ii)	<b>BRM340 : Cement</b>	0.672	11.969512464	1 Qntl.
iii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.28	4.98729686	1 Cum
iv)	<b>BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm<sup>2</sup> with dimensional tolerance ± 2 %</b>	350	6234.121075	1000 Nos

4	<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.	-	<b>1.127149</b>	Qntl
i)	<b>BRM162</b> : Binding Wire.	0.8	0.9017192	1 Kg.
ii)	<b>BRM341</b> : Steel	1.05	1.18350645	1 Qntl.
5	<b>Plastering (AR1004) :.12mm thick cement plaster (1:6) over Brick work in inside -</b> 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.	-	<b>86.8672</b>	Sqm
i)	<b>BRM340</b> : Cement	0.0358	3.10984576	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	1.303008	1 Cum

6	<b>Plastering (AR1014)</b> <b>::16mm thick cement Plaster in CM (1:6) over brick work in inside.</b> - 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)	<b>BRM340</b> : Cement	0.043	2.40456	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	1.00656	1 Cum
7	<b>Earth Work (AR0115)</b> <b>::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.	-	16.41822	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	16.41822	1 Cum
8	<b>Concrete (AR0303)</b> <b>::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.	-	2.0522775	Cum
i)	<b>BRM340</b> : Cement	2.29	4.699715475	1 Qntl.

ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	0.9850932	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1.9701864	1 Cum.
9	<b>Concrete (AR0307) :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&P required for the work etc. complete as per specifaion and direction of Engineer-in charge.	-	<b>1.65151</b>	Cum
i)	<b>BRM340</b> : Cement	3.23	5.3343773	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	0.7431795	1 Cum
iii)	<b>BRM056</b> : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)	0.9	1.486359	1 Cum.

10	<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>	-	17.8992	Sqm
i)	<b>BRM174</b> : White Cement.	0.0076	0.13603392	1Qntl
ii)	<b>BRM340</b> : Cement	0.1074	1.92237408	1 Qntl.
iii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.021	0.3758832	1 Cum
iv)	<b>BRM131</b> : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B la) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)	1	17.8992	1 Sqm.

11	<p><b>Flooring (AR0816)</b>  <b>:.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 -</b> 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>	-	3.909	Sqm
i)	<b>BRMMR0027</b> : Wax Polish	1	3.909	1 Sqm
ii)	<b>BRM130</b> : Tiles up to 30cm x 30cm / 40cm x 40cm special plain / printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755	1	3.909	1 Sqm.
iii)	<b>BRM340</b> : Cement	0.2737	1.0698933	1 Qntl.
iv)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.013	0.050817	1 Cum

12	<b>Flooring (AR0816j)</b> <b>:.Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 -</b> 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 Engineer-in-charge.	-	3.48145	Sqm
i)	<b>BRM134</b> : Chequered Tiles.	1	3.48145	1 Sqm.
ii)	<b>BRMMR0027</b> : Wax Polish	1	3.48145	1 Sqm
iii)	<b>BRM340</b> : Cement	0.2737	0.952872865	1 Qntl.
iv)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.013	0.04525885	1 Cum
13	<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)	-	0.67482	Cum
i)	<b>BRM340</b> : Cement	3.4733	2.343852306	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	0.303669	1 Cum

iii)	<b>BRM060</b> : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve & retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)	0.36	0.2429352	1 Cum.
iv)	<b>BRM052</b> : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)	0.54	0.3644028	1 Cum.
v)	<b>BRM094</b> : Non-sal bullahs 125mm. mean dia of any length.	3.7695	2.54373399	1Mtr.
vi)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0741335	0.05002676847	1Cum.
14	<b>R.C.C. Work (AR0404Ag)</b> :.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)	-	<b>0.101</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	0.3508033	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	0.04545	1 Cum

iii)	<b>BRM060</b> : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve & retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)	0.36	0.03636	1 Cum.
iv)	<b>BRM052</b> : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)	0.54	0.05454	1 Cum.
v)	<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	6.2216	0.6283816	1Mtr
vi)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0502172	0.0050719372	1Cum.
15	<b>Painting(AR0918ca)</b> :.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)	-	<b>86.8672</b>	Sqm
i)	<b>BRM255</b> : Weather Coat (I.S.I.)	0.125	10.8584	1 Ltr
ii)	<b>BRM252</b> : Wall cement primer (I.S.I.) Oil bound	0.084	7.2968448	1 Ltr

16	<b>Painting(AR0922a)</b> :.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)	-	55.92	Sqm
i)	<b>BRM142</b> : Distemper	0.25	13.98	1 Kg.
ii)	<b>BRM252</b> : Wall cement primer (I.S.I.) Oil bound	0.084	4.69728	1 Ltr
17	<b>Painting(AR0903a)</b> :.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)	-	3.381	Sqm
i)	<b>BRM141</b> : Enamel paint	0.125	0.422625	1 Litre
ii)	<b>BRM138</b> : Wood Primer	0.075	0.253575	1 Litre

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRMMR0025</b>	17.8117745	1 Cum	33	587.7885585
2	<b>BRM340</b>	34.15780685	1 Qntl.	571.948	19536.489312244
3	<b>BRM028</b>	9.84621561	1 Cum	483.09	4756.6082990349
4	<b>BRM005</b>	6234.121075	1000 Nos	6.1539	38364.157683442
5	<b>BRM162</b>	0.9017192	1 Kg.	90.1	81.24489992
6	<b>BRM341</b>	1.18350645	1 Qntl.	6640.408	7858.9656986316
7	<b>BRM029</b>	16.41822	1 Cum	478.15	7850.371893

8	<b>BRM044</b>	1.9701864	1 Cum.	1310.32	2581.574643648
9	<b>BRM056</b>	1.486359	1 Cum.	1711.69	2544.18583671
10	<b>BRM174</b>	0.13603392	1Qntl	2035.488	276.89541175296
11	<b>BRM131</b>	17.8992	1 Sqm.	662.5466113	11859.054304981
12	<b>BRMMR0027</b>	7.39045	1 Sqm	8.5	62.818825
13	<b>BRM130</b>	3.909	1 Sqm.	462.5466113	1808.0947035717
14	<b>BRM134</b>	3.48145	1 Sqm.	254.75	886.8993875
15	<b>BRM060</b>	0.2792952	1 Cum.	1705.07	476.217866664
16	<b>BRM052</b>	0.4189428	1 Cum.	1697.36	711.096751008
17	<b>BRM094</b>	2.54373399	1Mtr.	325.714	828.52977281886
18	<b>BRM104</b>	0.05509870567	1Cum.	58658.694	3232.0181156926
19	<b>BRM084</b>	0.6283816	1Mtr	335.774	210.9942033584
20	<b>BRM255</b>	10.8584	1 Ltr	195.14488	2118.961164992
21	<b>BRM252</b>	11.9941248	1 Ltr	125.85488	1509.519137409
22	<b>BRM142</b>	13.98	1 Kg.	70.45488	984.9592224
23	<b>BRM141</b>	0.422625	1 Litre	205.69488	86.93179866
24	<b>BRM138</b>	0.253575	1 Litre	155.43488	39.414399696
<b>Total: 109253.79189064</b>					