

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Khordha	<b>Block</b>	Bhubaneswar	<b>Gram Panchayat</b>	Nanput

<b>Work Code</b>	OD/362/3460/119610/407781/00050797 (MAINTENANCE OF NANPUT MARKET COMPLEX)
<b>Project Category</b>	Building

<b>Financial Year</b>	2025-26	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Bhubaneswar	<b>Proposal Date</b>	-
<b>Date of Commencement</b>	09-04-2026	<b>Date of Completion</b>	-
<b>Scheme Name</b>	5th SFC Grant in Aid	<b>Scheme Component Name</b>	Maintenance of Capital Assets
<b>Project Sub-Category</b>	Market Complex	<b>Project Type</b>	Repair and Maintenance
<b>Name of Executant</b>	MADHUSMITA DHAL		

### Administrative Approval Details

<b>Approval No.</b>	OD/362/3460/119610/407781/00050797/AS
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### Technical Sanction Details

<b>Technical Sanction No.</b>	OD/362/3460/119610/407781/00050797/TS
<b>Fund Sanction No.</b>	1313
<b>Fund Sanction Amount (in Rs.)</b>	450000

### MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement 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	-	<b>2.24269056</b>	Cum

2	<b>Earth Work (AR0115)</b> :.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.	-	<b>30.55949056</b>	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	30.55949056	1 Cum
3	<b>Concrete (AR0303)</b> :.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.	-	<b>2.24269056</b>	Cum
i)	<b>BRM340</b> : Cement	2.29	5.1357613824	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	1.0764914688	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	2.1529829376	1 Cum.

4	<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>	-	<b>2.24269056</b>	Cum
i)	<b>BRM340</b> : Cement	3.23	7.2438905088	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1.009210752	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	2.018421504	1 Cum.
5	<p><b>R.C.C. Work (AR0410c) :.R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc -</b>  Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc</p>	-	<b>2.4526392</b>	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.006548546664	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.126	0.3090325392	1Mtr.

6	<p><b>Masonry Brick Work (AR0603b) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth</b>  - Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm<sup>2</sup> with dimensional tolerance <math>\pm 8</math> 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>	-	0.094011776	Cum
i)	<b>BRM340</b> : Cement	0.672	0.063175913472	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	0.02632329728	1 Cum
iii)	<b>BRM005</b> : 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 $\pm 2$ %	350	32.9041216	1000 Nos
7	<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 <math>\pm 8</math> 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>	-	5.734718336	Cum

i)	<b>BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK</b>	1	5.734718336	1 Cum
ii)	<b>BRM340 : Cement</b>	0.672	3.853730721792	1 Qntl.
iii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.28	1.60572113408	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./Cm2 with dimensional tolerance <math>\pm</math> 2 %</b>	350	2007.1514176	1000 Nos
8	<b>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 &amp; P required for the work etc. comp.and as per direction of Engineer-in-charge.</b>	-	<b>31.58702</b>	Sqm
i)	<b>BRM340 : Cement</b>	0.0358	1.130815316	1 Qntl.
ii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.015	0.4738053	1 Cum
9	<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>	-	<b>13.00642</b>	Sqm
i)	<b>BRM340 : Cement</b>	0.043	0.55927606	1 Qntl.

ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	0.23411556	1 Cum
10	<b>Flooring (AR0817aa)</b> :.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.	-	<b>18.5806</b>	Sqm
i)	<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	18.5806	1 Sqm.
ii)	<b>BRMMR0027</b> : Wax Polish	1	18.5806	1 Sqm
iii)	<b>BRM340</b> : Cement	0.1375	2.5548325	1 Qntl.
iv)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	0.278709	1 Cum

11	<b>Flooring (AR0816j)</b> :.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 Engineer-in-charge.	-	9.2903	Sqm
i)	<b>BRM134</b> : Chequered Tiles.	1	9.2903	1 Sqm.
ii)	<b>BRMMR0027</b> : Wax Polish	1	9.2903	1 Sqm
iii)	<b>BRM340</b> : Cement	0.2737	2.54275511	1 Qntl.
iv)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.013	0.1207739	1 Cum
12	<b>Concrete (AR0317)</b> :.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&P required for the work etc. complete as per specificaion and direction of Engineer-in charge. (new work)	-	46.4515	Sqm
i)	<b>BRM340</b> : Cement	0.1208	5.6113412	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.0169	0.78503035	1 Cum
iii)	<b>BRM064</b> : Granite stone broken chips of 4.7 mm size passing through 6.7 mm sieve (crusher broken.) and retained on 2.36 mm sieve.	0.0169	0.78503035	1 Cum.

13	<b>Painting(AR0903i)</b> :.Painting two coats of enamel paint in outer surface paint (outer surface) - Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	-	59.45792	Sqm
i)	<b>BRM141</b> : Enamel paint	0.125	7.43224	1 Litre
14	<b>Other Building Items. (AR1901B)</b> :.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)	-	69.67725	Sqm
i)	<b>BRM174</b> : White Cement.	0.0076	0.5295471	1Qntl
ii)	<b>BRM340</b> : Cement	0.1074	7.48333665	1 Qntl.
iii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.021	1.46322225	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 Ia) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)	1	69.67725	1 Sqm.

15	<p><b>Painting(AR0918hk)</b>  <b>:.Finishing wall with two coats weather coat paint of approved shade including one coat of water bound primer in the outer surface of old work(Outside)(For repair and maintenance).</b> -  Finishing wall with two coats weather coat paint of approved shade including one coat of water bound primer in the outer surface of old 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)(For repair and maintenance).</p>	-	<b>174.750543</b>	Sqm
i)	<b>BRM255</b> : Weather Coat (I.S.I.)	0.125	21.843817875	1 Ltr
ii)	<b>BRM253</b> : Wall cement primer (I.S.I.) Water bound	0.090322580645161	15.783920012903	1 Ltr
16	<p><b>Painting(AR0918Ai)</b>  <b>:.Finishing wall one coat with weather coat</b> - Finishing wall one coat with weather coat including all costs of labour, Paint, Primer and Brushes required for the work etc. complete and as per direction of Engineer-in-charge.</p>	-	<b>91.323649</b>	Sqm
i)	<b>BRM255</b> : Weather Coat (I.S.I.)	0.075	6.849273675	1 Ltr

17	<b>Painting(AR0901d)</b> :.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.	-	<b>280.845769</b>	Sqm
i)	<b>BRM253</b> : Wall cement primer (I.S.I.) Water bound	0.084	23.591044596	1 Ltr
18	<b>Painting(AR0922)</b> :.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)	-	<b>185.806</b>	Sqm
i)	<b>BRM142</b> : Distemper	0.25	46.4515	1 Kg.

19	<p><b>miscellaneous(ARM28 7) :.Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC -</b></p> <p>Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.</p>	-	74.3224	Sqm
i)	<b>BRM029</b> : Sand for filling and road blinding	0.03	2.229672	1 Cum
ii)	<b>BRMM287</b> : Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items)	1	74.3224	1 Sqm

20	<b>Painting(AR0920)</b> :.Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) - 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)	-	<b>185.806</b>	Sqm
i)	<b>BRM140</b> : Plastic Emulsion paint	0.125	23.22575	1 Litre

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	32.78916256	1 Cum	397.3	13027.134285088
2	<b>BRM340</b>	36.178915362464	1 Qntl.	569.387	20599.804081487
3	<b>BRM028</b>	7.07340301216	1 Cum	403.69	2855.4620619789
4	<b>BRM044</b>	2.1529829376	1 Cum.	1792.06	3858.2746031555
5	<b>BRM056</b>	2.018421504	1 Cum.	2169.52	4379.0058213581
6	<b>BRM104</b>	0.006548546664	1Cum.	58573.086	383.56858692549
7	<b>BRM092</b>	0.3090325392	1Mtr.	229.106	70.801208925955
8	<b>BRM005</b>	2040.0555392	1000 Nos	6.30115	12854.69596083
9	<b>BRMMR0025</b>	5.734718336	1 Cum	33	189.245705088
10	<b>BRM131</b>	88.25785	1 Sqm.	660.6811111	58310.294401297
11	<b>BRMMR0027</b>	27.8709	1 Sqm	8.5	236.90265
12	<b>BRM134</b>	9.2903	1 Sqm.	212.91	1977.997773
13	<b>BRM064</b>	0.78503035	1 Cum.	1632.92	1281.891759122
14	<b>BRM141</b>	7.43224	1 Litre	205.58787	1527.9783909288
15	<b>BRM174</b>	0.5295471	1Qntl	2041.967	1081.3177031457
16	<b>BRM255</b>	28.69309155	1 Ltr	193.07787	5540.001000189
17	<b>BRM253</b>	39.374964608903	1 Ltr	154.51787	6084.1356626931
18	<b>BRM142</b>	46.4515	1 Kg.	70.34787	3267.764083305
19	<b>BRMM287</b>	74.3224	1 Sqm	608.4	45217.74816
20	<b>BRM140</b>	23.22575	1 Litre	249.58787	5796.8654716525

**Total: 188540.88937017**