

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Sambalpur	<b>Block</b>	Naktideul	<b>Gram Panchayat</b>	Naktideul

<b>Work Code</b>	OD/371/3564/121390/382535/00045462 (CONSTRUCTION OF BOUNDRYWALL AT NAKTIDEUL BLOCK COLONY)
<b>Project Category</b>	Building

<b>Financial Year</b>	2021-22	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Naktideul	<b>Proposal Date</b>	-
<b>Date of Commencement</b>	16-08-2025	<b>Date of Completion</b>	26-11-2025
<b>Scheme Name</b>	5th SFC Grant in Aid	<b>Scheme Component Name</b>	Maintenance of Capital Assets
<b>Project Sub-Category</b>	Staff Quarter	<b>Project Type</b>	New Work
<b>Name of Executant</b>	Yogindra Seth		

### Administrative Approval Details

<b>Approval No.</b>	OD/371/3564/121390/382535/00045462/AS
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### Technical Sanction Details

<b>Technical Sanction No.</b>	OD/371/3564/121390/382535/00045462/TS
<b>Fund Sanction No.</b>	
<b>Fund Sanction Amount (in Rs.)</b>	1000000

### MATERIAL STATEMENT

SI.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>36.45</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.	-	4.374	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	4.374	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.	-	4.374	Cum
i)	<b>BRM340</b> : Cement	2.29	10.01646	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	2.09952	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	4.19904	1 Cum.

4	<b>Plastering (AR1004)</b> :.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.	-	252	Sqm
i)	<b>BRM340</b> : Cement	0.0358	9.0216	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	3.78	1 Cum
5	<b>Plastering (AR1014)</b> :.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.	-	252	Sqm
i)	<b>BRM340</b> : Cement	0.043	10.836	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	4.536	1 Cum

6	<p><b>R.C.C. Work (AR0404B)</b>  <b>:.Reinforced cement concrete work of M-20 grade with 20mm &amp; downgrade size black hard crusher broken granite chips.(Nominal mix as per IS-456, Table-9).</b> -  R.C.C. work of M-20 grade with 20mm &amp; downgrade 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge(Nominal mix as per IS-456, Table-9).</p>	-	<b>23.331375</b>	Cum
i)	<p><b>BRM060</b> : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve &amp; retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)</p>	0.36	8.399295	1 Cum.
ii)	<p><b>BRM052</b> : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve &amp; retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)</p>	0.54	12.5989425	1 Cum.
iii)	<p><b>BRM340</b> : Cement</p>	3.4733	81.0368647875	1 Qntl.
iv)	<p><b>BRM028</b> : Screened and washed sharp sand for mortar</p>	0.45	10.49911875	1 Cum

7	<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	-	91.98	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.2455866	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.126	11.58948	1Mtr.
8	<b>R.C.C. Work (AR0410d) :Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting -</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. beams, column, grider and bressmer, etc. Data for 4.2sqm	-	164.25	Sqm
i)	<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.55238095238095	90.728571428571	1Mtr
ii)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051904761904762	0.85253571428571	1Cum.

9	<p><b>Masonry Brick Work (AR0603ci) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure -</b>  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/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>	-	49.266	Cum
i)	<p><b>BRMMR0025 :</b>  SCAFFOLDING CHARGES FOR BRICK MASONRY WORK</p>	1	49.266	1 Cum
ii)	<p><b>BRM006 :</b> Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm<sup>2</sup> with dimensional tolerance ± 2 %</p>	400	19706.4	1000 Nos
iii)	<p><b>BRM340 :</b> Cement</p>	0.672	33.106752	1 Qntl.
iv)	<p><b>BRM028 :</b> Screened and washed sharp sand for mortar</p>	0.28	13.79448	1 Cum

10	<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.	-	20.889	Qntl
i)	<b>BRM162 : Binding Wire.</b>	0.8	16.7112	1 Kg.
ii)	<b>BRM341 : Steel</b>	1.05	21.93345	1 Qntl.
11	<b>Painting(AR0918Ai) :.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.	-	545.4	Sqm
i)	<b>BRM255 : Weather Coat (I.S.I.)</b>	0.075	40.905	1 Ltr
12	<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&P required for the work complete as per direction of the Engineer-in-charge.	-	545.4	Sqm
i)	<b>BRM253 : Wall cement primer (I.S.I.) Water bound</b>	0.084	45.8136	1 Ltr

13	<b>Painting(AR0903b)</b> :.Painting two coats of enamel paint with a coat of red oxide primer over iron surface - Painting two coats of enamel paint with a coat of red oxide primer over iron surface including all costs of labour, Paint, Primer, brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.	-	2.7	Sqm
i)	<b>BRM137</b> : Red oxide Primer	0.054	0.1458	1 Litre
ii)	<b>BRM141</b> : Enamel paint	0.125	0.3375	1 Litre

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	4.374	1 Cum	346.01	1513.44774
2	<b>BRM340</b>	144.0176767875	1 Qntl.	562.787	81051.276266207
3	<b>BRM028</b>	34.70911875	1 Cum	352.89	12248.500915688
4	<b>BRM044</b>	4.19904	1 Cum.	1486.41	6241.4950464
5	<b>BRM060</b>	8.399295	1 Cum.	1955.08	16421.2936686
6	<b>BRM052</b>	12.5989425	1 Cum.	1918.7	24173.59097475
7	<b>BRM104</b>	1.0981223142857	1Cum.	58573.086	64320.412753176
8	<b>BRM092</b>	11.58948	1Mtr.	229.106	2655.21940488
9	<b>BRM084</b>	90.728571428571	1Mtr	250.166	22697.2038
10	<b>BRMMR0025</b>	49.266	1 Cum	33	1625.778
11	<b>BRM006</b>	19706.4	1000 Nos	5.24616	103382.927424
12	<b>BRM162</b>	16.7112	1 Kg.	90	1504.008
13	<b>BRM341</b>	21.93345	1 Qntl.	6723.027	147459.17655315
14	<b>BRM255</b>	40.905	1 Ltr	195.03787	7978.02407235
15	<b>BRM253</b>	45.8136	1 Ltr	159.27787	7297.092625032
16	<b>BRM137</b>	0.1458	1 Litre	142.94787	20.841799446
17	<b>BRM141</b>	0.3375	1 Litre	205.58787	69.385906125
<b>Total: 500659.6749498</b>					