

ESTIMATION DPR							
State	Odisha	District	Mayurbhanj	Block	Bisoi	Gram Panchayat	Bisoi

Work Code	OD/365/3493/120144/388161/00049883 (CONSTRUCTION AND MAINTENANCE OF BISOI NODAL SCHOOL)
Project Category	Other Infrastructure

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Bisoi	Proposal Date	-
Date of Commencement	04-02-2026	Date of Completion	-
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Maintenance of Primary School Building
Project Sub-Category	Boundary Wall	Project Type	New Work
Name of Executant	SANTOSH KUMAR BEHERA		

Administrative Approval Details

Approval No.	OD/365/3493/120144/388161/00049883/AS
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Technical Sanction Details

Technical Sanction No.	OD/365/3493/120144/388161/00049883/TS
Fund Sanction No.	34989
Fund Sanction Amount (in Rs.)	128221

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement 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	-	10.335632	Cum

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.	-	1.364303424	Cum
i)	BRM029 : Sand for filling and road blinding	1	1.364303424	1 Cum
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.	-	2.0671264	Cum
i)	BRM340 : Cement	2.29	4.733719456	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	0.992220672	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1.984441344	1 Cum.

4	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.	-	5.167816	Cum
i)	BRM006 : Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance ± 2 %	400	2067.1264	1000 Nos
ii)	BRM340 : Cement	0.672	3.472772352	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	1.44698848	1 Cum

5	R.C.C. Work (AR0404A) :.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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)	-	0.857857456	Cum
i)	BRM340 : Cement	3.4733	2.9795963019248	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.3860358552	1 Cum
iii)	BRM060 : 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	0.30882868416	1 Cum.
iv)	BRM052 : 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	0.46324302624	1 Cum.

6	<p>R.C.C. Work (AR0410c) :.R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - 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>	-	6.781919	Sqm
i)	<p>BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)</p>	0.00267	0.01810772373	1Cum.
ii)	<p>BRM092 : Non-sal bullahs 75mm. mean dia of any length.</p>	0.126	0.854521794	1Mtr.
7	<p>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.</p>	-	0.68	Qntl
i)	<p>BRM162 : Binding Wire.</p>	0.8	0.544	1 Kg.
ii)	<p>BRM341 : Steel</p>	1.05	0.714	1 Qntl.

8	<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>	-	8.83696536	Cum
i)	<p>BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK</p>	1	8.83696536	1 Cum
ii)	<p>BRM006 : Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm² with dimensional tolerance ± 2 %</p>	400	3534.786144	1000 Nos
iii)	<p>BRM340 : Cement</p>	0.672	5.93844072192	1 Qntl.
iv)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.28	2.4743503008	1 Cum
9	<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>	-	50.8643925	Sqm
i)	<p>BRM340 : Cement</p>	0.043	2.1871688775	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	0.915559065	1 Cum
10	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.	-	33.909595	Sqm
i)	BRM340 : Cement	0.0358	1.213963501	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.508643925	1 Cum
11	Painting(AR0920) :.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)	-	7.87445828	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	0.984307285	1 Litre

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	1.364303424	1 Cum	466.64	636.63854977536
2	BRM340	20.525661210345	1 Qntl.	638.732	13110.396636206
3	BRM028	6.723798298	1 Cum	928.76	6244.7949072505
4	BRM044	1.984441344	1 Cum.	1713.94	3401.2133971354
5	BRM006	5601.912544	1000 Nos	5.59962	31368.581519633
6	BRM060	0.30882868416	1 Cum.	2098.69	648.13567115975
7	BRM052	0.46324302624	1 Cum.	2100.98	973.26433326972
8	BRM104	0.01810772373	1Cum.	58573.086	1060.6252593015
9	BRM092	0.854521794	1Mtr.	229.106	195.77607013616

10	BRM162	0.544	1 Kg.	90	48.96
11	BRM341	0.714	1 Qntl.	6207.442	4432.113588
12	BRMMR0025	8.83696536	1 Cum	33	291.61985688
13	BRM140	0.984307285	1 Litre	249.64732	245.72967575673
Total: 62657.849464504					