

ESTIMATION DPR

State	Odisha	District	Deogarh	Block	Tileibani	Gram Panchayat	Suguda
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Work Code	OD/351/3348/117233/382783/00014371 (Repair & Maintanance of Apurba High school, Suguda)
Project Category	Building

Financial Year	2022-23	Execution Level	PS
Executing Agency	Panchayat Samiti, Tileibani	Proposal Date	-
Date of Commencement	22-09-2025	Date of Completion	21-11-2025
Scheme Name	Asset Management School and Mass Education Department	Scheme Component Name	Self/Personal Deposit
Project Sub-Category	Others	Project Type	Repair and Maintenance
Name of Executant	RASHMIRANJAN BEHERA		

Administrative Approval Details

Approval No.	OD/351/3348/117233/382783/00014371/AS
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Technical Sanction Details

Technical Sanction No.	OD/351/3348/117233/382783/00014371/TS
Fund Sanction No.	2546
Fund Sanction Amount (in Rs.)	91500

ROYALTY STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	<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>	-	3.9645	Cum
i)	BRM340 : Cement	2.29	9.078705	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	1.90296	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	3.80592	1 Cum.
2	<p>Concrete (AR0307a) :.Cement concrete (1:2:4)with 12mm size hard granite(Hand broken)chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(hand broken) chips including hoisting and laying in position compacting to proper thickness 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>	-	2.973375	Cum
i)	BRM057 : 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)(Hand broken)	0.9	2.6760375	1 Cum.
ii)	BRM340 : Cement	3.23	9.60400125	1 Qntl.

iii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.33801875	1 Cum
3	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.	-	16.25	Sqm
i)	BRM340 : Cement	0.043	0.69875	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	0.2925	1 Cum
4	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	-	4.5	Cum
5	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.	-	0.9	Cum
i)	BRM029 : Sand for filling and road blinding	1	0.9	1 Cum

6	<p>Masonry Brick Work (AR0603b) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth - 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/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>	-	1.8	Cum
i)	BRM340 : Cement	0.672	1.2096	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	0.504	1 Cum
iii)	BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance ± 2 %	350	630	1000 Nos
7	<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>	-	3.90625	Cum
i)	BRM340 : Cement	0.672	2.625	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	1.09375	1 Cum
iii)	BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance \pm 2 %	350	1367.1875	1000 Nos
8	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.	-	16.25	Sqm
i)	BRM340 : Cement	0.0358	0.58175	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.24375	1 Cum
9	Painting(AR0901d) :.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.	-	32.5	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	2.73	1 Ltr

10	Painting(AR0918Ai) :.Finishing wall one coat with weather coat - 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.	-	32.5	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.075	2.4375	1 Ltr

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	5.37497875	1 Cum	560.25	3011.3318446875
2	BRM044	3.80592	1 Cum.	156.5	595.62648
3	BRM057	2.6760375	1 Cum.	156.5	418.79986875
4	BRM029	0.9	1 Cum	40.25	36.225
5	BRM005	1997.1875	1000 Nos	0.04025	80.386796875
Total: 4142.3699903125					