

ESTIMATION DPR

State	Odisha	District	Sundargarh	Block	Sundargarh	Gram Panchayat	Karla
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Work Code	OD/373/3588/121759/383813/00013658 (Repair & Maintenance of Kandhamal Pry.School)
Project Category	Building

Financial Year	2021-22	Execution Level	PS
Executing Agency	Panchayat Samiti, Sundargarh	Proposal Date	11-02-2023
Date of Commencement	24-12-2025	Date of Completion	-
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Maintenance of Primary School Building
Project Sub-Category	Elementary School	Project Type	Upgradation or Improvement
Name of Executant	Ritarani Patel		

Administrative Approval Details

Approval No.	OD/373/3588/121759/383813/00013658/AS
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Technical Sanction Details

Technical Sanction No.	OD/373/3588/121759/383813/00013658/TS
Fund Sanction No.	1111
Fund Sanction Amount (in Rs.)	266560

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>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>	-	20.95471	Cum
i)	<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	8381.884	1000 Nos
ii)	<p>BRM340 : Cement</p>	0.672	14.08156512	1 Qntl.
iii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.28	5.8673188	1 Cum
2	<p>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.</p>	-	81.3765	Sqm
i)	<p>BRM340 : Cement</p>	0.0358	2.9132787	1 Qntl.
ii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.015	1.2206475	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.	-	84.8425	Sqm
i)	BRM340 : Cement	0.043	3.6482275	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	1.527165	1 Cum
4	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.	-	91.8025	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	7.71141	1 Ltr

5	<p>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</p>	-	4.2912	Cum
6	<p>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.</p>	-	2.95695	Cum
i)	BRM029 : Sand for filling and road blinding	1	2.95695	1 Cum
7	<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>	-	1.2756375	Cum
i)	BRM340 : Cement	2.29	2.921209875	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	0.612306	1 Cum

iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1.224612	1 Cum.
8	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.	-	3.50448	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	1401.792	1000 Nos
ii)	BRM340 : Cement	0.672	2.35501056	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	0.9812544	1 Cum
9	Painting(AR0922) :.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)	-	91.8025	Sqm
i)	BRM142 : Distemper	0.25	22.950625	1 Kg.

10	Painting(AR0903i) :.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)	-	19.36125	Sqm
i)	BRM141 : Enamel paint	0.125	2.42015625	1 Litre
11	Flooring (AR0802i) :.2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips - 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.	-	7.4725	Sqm
i)	BRM340 : Cement	0.0858	0.6411405	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.012	0.08967	1 Cum
iii)	BRM056 : 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)	0.023	0.1718675	1 Cum.
12	Painting(AR0918f) :.Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside) - Finishing wall with two coat weather coat paint of approved shade 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)	-	491.3865	Sqm

i)	BRM255 : Weather Coat (I.S.I.)	0.125	61.4233125	1 Ltr
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S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	10.2983617	1 Cum	410.25	4224.902887425
2	BRM029	2.95695	1 Cum	410.25	1213.0887375
3	BRM044	1.224612	1 Cum.	341	417.592692
4	BRM056	0.1718675	1 Cum.	341	58.6068175
Total: 5914.191134425					