

ESTIMATION DPR							
State	Odisha	District	Cuttack	Block	Cuttacksadar	Gram Panchayat	Arilo

Work Code	OD/350/3337/116952/399957/00038442 (Maintenance of Arilo UP School ,Arilo)
Project Category	Building

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Cuttacksadar	Proposal Date	-
Date of Commencement	-	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	Repair and Maintenance
Name of Executant			

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	OD/350/3337/116952/399957/00038442/TS
Fund Sanction No.	1198
Fund Sanction Amount (in Rs.)	104180

ROYALTY 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	-	3.6844121152	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.	-	3.20405724672	Cum
i)	BRM029 : Sand for filling and road blinding	1	3.20405724672	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.	-	3.50005842048	Cum
i)	BRM340 : Cement	2.29	8.0151337828992	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	1.6800280418304	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	3.3600560836608	1 Cum.

4	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.	-	6.7824392568	Sqm
i)	BRM340 : Cement	0.0358	0.24281132539344	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.101736588852	1 Cum
5	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.	-	14.8551897	Sqm
i)	BRM340 : Cement	0.043	0.6387731571	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	0.2673934146	1 Cum

6	<p>Concrete (AR0307) :.Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - 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&P required for the work etc. complete as per specifaion and direction of Engineer-in charge.</p>	-	2.37426173952	Cum
i)	BRM340 : Cement	3.23	7.6688654186496	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.068417782784	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)	0.9	2.136835565568	1 Cum.
7	<p>Plastering (AR1017) :.20mm thick cement Plaster in CM (1:4) over masonry work in inside. - 20mm thick cement Plaster in CM (1:4) over stone 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>	-	17.2423880268	Sqm
i)	BRM340 : Cement	0.0744	1.2828336691939	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.021	0.3620901485628	1 Cum

8	<p>Other Building Items. (AR1901Bb) :.Vitrified Tile 600mmx600mm industrial floor Tile - Supplying, fitting & fixing Vitrified industrial floor Tile of premium grade having thickness 8mm to 10mm confirming to IS 4457 of size 300mmx300mm 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 work all materials, taxes, labor, T&P , etc. complete as per direction of Engineer-in-charge.</p>	-	13.00642	Sqm
i)	<p>BRM133 : Tiles up to Vitrified industrial floor Tile of premium grade having thickness 8mm to 10mm confirming to IS 4457 of size 300mmx300mm</p>	1	13.00642	1 Sqm.
ii)	<p>BRM174 : White Cement.</p>	0.0076	0.098848792	1Qntl
iii)	<p>BRM340 : Cement</p>	0.1074	1.396889508	1 Qntl.
iv)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.021	0.27313482	1 Cum
9	<p>Painting(AR0903) :.Painting two coats of enamel paint in inner surface paint (Inner surface) - Painting two coats of enamel paint in inner surface paint including all costs of labour, Paint, brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Inside)</p>	-	21.553496	Sqm
i)	<p>BRM141 : Enamel paint</p>	0.125	2.694187	1 Litre

10	<p>Painting(AR0922ak) :.Finishing wall two coats with distemper of approved shades with one coat oilbound Primer on new work (Inside)(For repair and maintenance). - Finishing wall two coats with distemper of approved shades with one coat oil bound Primer on new work to give an even shade including all costs of labor, Paint, Primer, Brushes and putty required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)(For repair and maintenance).</p>	-	113.713272	Sqm
i)	BRM142 : Distemper	0.25	28.428318	1 Kg.
ii)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	9.551914848	1 Ltr
11	<p>Painting(AR0917h) :.Finishing wall with one coat weather coat paint of approved shade including one coat of water bound primer in the outer surface of old work (Outside) - Finishing wall with one coat 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)</p>	-	114.1317814344	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.075	8.55988360758	1 Ltr
ii)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	10.308677032785	1 Ltr

12	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	-	11.00157326	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.0293742006042	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.000614	0.00675496598164	1Mtr.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	3.20405724672	1 Cum	152.5	488.6187301248
2	BRM028	3.7528007966292	1 Cum	152.5	572.30212148595
3	BRM044	3.3600560836608	1 Cum.	259.5	871.93455370998
4	BRM056	2.136835565568	1 Cum.	259.5	554.5088292649

Total: 2487.3642345856