

ESTIMATION DPR							
State	Odisha	District	Gajapati	Block	Nuagada	Gram Panchayat	Udayapur

Work Code	OD/353/3361/275053/414114/00070039 (Expansion of school building at Primary school ,Kodeda)
Project Category	Building

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Nuagada	Proposal Date	10-06-2025
Date of Commencement	20-01-2026	Date of Completion	-
Scheme Name	Bikashita Gaon Bikashita Odisha	Scheme Component Name	Viksit Gaon Vikshit Odisha (VGVO)
Project Sub-Category	Elementary School	Project Type	Upgradation or Improvement
Name of Executant	Sarbeswar Sahu		

Administrative Approval Details

Approval No.	OD/353/3361/275053/414114/00070039/AS
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Technical Sanction Details

Technical Sanction No.	OD/353/3361/275053/414114/00070039/TS
Fund Sanction No.	3398
Fund Sanction Amount (in Rs.)	600000

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 (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>	-	11.8979	Cum
i)	BRM340 : Cement	0.672	7.9953888	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	3.331412	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	4164.265	1000 Nos

2	R.C.C. Work (AR0404Ad) :.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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Lintels)	-	2.211036	Cum
i)	BRM340 : Cement	3.4733	7.6795913388	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.9949662	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	0.79597296	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	1.19395944	1 Cum.
v)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.049542	0.109539145512	1Mtr.
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0741335	0.163911837306	1Cum.

3	R.C.C. Work (AR0404Ac) :.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. (including centring and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder & Bressmer etc)	-	4.458573	Cum
i)	BRM340 : Cement	3.4733	15.4859616009	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.00635785	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	1.60508628	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	2.40762942	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.045339	0.202147241247	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.041529	0.185160078117	1Cum.

4	R.C.C. Work (AR0404Ag) ∴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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)	-	12.5004	Cum
i)	BRM340 : Cement	3.4733	43.41763932	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	5.62518	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	4.500144	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	6.750216	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.076659	0.9582681636	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0502172	0.62773508688	1Cum.

5	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.	-	19.05925	Qntl
i)	BRM341 : Steel	1.05	20.0122125	1 Qntl.
6	Concrete (AR0303a) :.Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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.	-	5.4145	Cum
i)	BRM340 : Cement	2.29	12.399205	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	2.59896	1 Cum
iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	5.19792	1 Cum.

7	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.	-	8.12175	Cum
i)	BRM029 : Sand for filling and road blinding	1	8.12175	1 Cum
8	Plastering (AR1017i) :.20mm thick cement Plaster in CM (1:4) over masonry work in outside - 20mm thick cement Plaster in CM (1:4) over stone work in outside 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.	-	96.85	Sqm
i)	BRM340 : Cement	0.0744	7.20564	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.021	2.03385	1 Cum
9	Plastering (AR1008i) :.20mm thick cement Plaster in CM (1:6) over stone work in outside (Outside) - 20mm thick cement Plaster in CM (1:6) over stone work in outside 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.	-	12.09	Sqm
i)	BRM340 : Cement	0.057	0.68913	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.021	0.25389	1 Cum
10	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.	-	61.35	Sqm
i)	BRM340 : Cement	0.043	2.63805	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	1.1043	1 Cum
11	Roofing (AR1132i) :.Supplying, feeting & fixing of G.C.I. Sheet (0.40mm thick) in roof drilling hole in wind ties - Supplying, fitting & fixing of G.C.I. Sheet (0.40mm thick) in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. including cost of fitting, Labour and material etc. complete as per direction of Engineer-in-Charge	-	10.439	Sqm
i)	BRM150 : G.C.I. Sheet 0.40mm thick	1	10.439	1 Sqm.
12	Iron Work(AR1704) :.Iron Doors and windows fixing - Supplying, fitting & fixing of Mild steel and put up for frames & shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T & P required for the work etc. as per direction of Engineer-in-charge.	-	0.697248	Qntl
i)	BRM341 : Steel	1	0.697248	1 Qntl.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
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1	BRM028	17.94891605	1 Cum	279.25	5012.2348069625
2	BRM060	6.90120324	1 Cum.	269.5	1859.87427318
3	BRM052	10.35180486	1 Cum.	269.5	2789.81140977
4	BRM045	5.19792	1 Cum.	269.5	1400.83944
5	BRM029	8.12175	1 Cum	279.25	2267.9986875
					Total: 13330.758617412