

ESTIMATION DPR							
State	Odisha	District	Sambalpur	Block	Jamankira	Gram Panchayat	Katangpapani

Work Code	OD/371/3560/121320/381896/00037893 (Repair & maintenance of Market Complex at Sarei)
Project Category	Building

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Jamankira	Proposal Date	-
Date of Commencement	12-01-2026	Date of Completion	-
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Maintenance of Capital Assets
Project Sub-Category	Market Complex	Project Type	Repair and Maintenance
Name of Executant	BIDYA TUDU		

Administrative Approval Details

Approval No.	OD/371/3560/121320/381896/00037893/AS
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Technical Sanction Details

Technical Sanction No.	OD/371/3560/121320/381896/00037893/TS
Fund Sanction No.	26956
Fund Sanction Amount (in Rs.)	400000

ROYALTY STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	Dismantling (AR1604) ∴Dismantling brick or stone masonry above 3m. - Dismantling brick or stone masonry in lime or cement mortar above 3m. height including stacking the useful materials for reuse and removing the debris within 50m. Lead and as per direction of Engineer-in-Charge.	-	5.4	Cum

2	<p>Dismantling (AR1612) :.Dismantling and removing 2.5 cm. thick artificial stone flooring - Dismantling and removing 2.5 cm. thick artificial stone flooring including stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.</p>	-	45	Sqm
3	<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>	-	2.835	Cum
4	<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>	-	3.93	Cum
i)	<p>BRM029 : Sand for filling and road blinding</p>	1	3.93	1 Cum

5	<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>	-	7.98	Cum
i)	BRM340 : Cement	2.29	18.2742	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	3.8304	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	7.6608	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>	-	4.5	Cum
i)	BRM340 : Cement	0.672	3.024	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	1.26	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	1575	1000 Nos
7	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/cm ² with dimensional tolerance \pm 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.	-	7.8	Cum
i)	BRM340 : Cement	0.672	5.2416	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	2.184	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	2730	1000 Nos
8	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.	-	52.2	Sqm

i)	BRM340 : Cement	0.043	2.2446	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	0.9396	1 Cum
9	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.	-	41.7	Sqm
i)	BRM340 : Cement	0.0358	1.49286	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.6255	1 Cum
10	Other Building Items. (AR1901B) :.Vitrified Tile 600mmx600mm Plain Ivory - Supplying, fitting & fixing Vitrified Tile 600mmx600mm Plain Ivory in floors of size 600mm x 600 mm 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 materials, taxes, labour, T&P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)	-	39	Sqm
i)	BRM174 : White Cement.	0.0076	0.2964	1Qntl
ii)	BRM340 : Cement	0.1074	4.1886	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.021	0.819	1 Cum

iv)	BRM131 : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B Ia) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)	1	39	1 Sqm.
11	R.C.C. Work (AR0404Aa) :.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 foundation, footing bases of column, mass concrete, pre-cast slabs etc.)	-	1.95	Cum
i)	BRM340 : Cement	3.4733	6.772935	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.8775	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	0.702	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	1.053	1 Cum.

v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.00780975	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.000921	0.00179595	1Mtr.
12	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.	-	2	Qntl
i)	BRM341 : Steel	1.05	2.1	1 Qntl.
13	Iron Work(AR1703) :.Iron work wrought and put up in trusses and record racks - Iron work wrought and put up in trusses and record racks including all cost of labour, material, machinery and T & P required for the work etc. as per direction of Engineer-in-Charge.	-	5	Qntl
i)	BRM341 : Steel	1	5	1 Qntl.
14	Roofing (AR1132) :.Supplying, feeting & fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties - Supplying, fitting & fixing of G.C.I. Sheet (0.30mm 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	-	103.8	Sqm

i)	BRM149 : G.C.I. Sheet 0.30mm thick	1	103.8	1 Sqm
15	Painting(AR0918cb) :.Finishing wall two coats with weather coat with one coat waterbound Primer - Finishing wall two coats with weather coat with one coat waterbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	-	288.3	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	36.0375	1 Ltr
ii)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	26.04	1 Ltr

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	3.93	1 Cum	63.25	248.5725
2	BRM028	10.536	1 Cum	63.25	666.402
3	BRM044	7.6608	1 Cum.	201.5	1543.6512
4	BRM060	0.702	1 Cum.	201.5	141.453
5	BRM052	1.053	1 Cum.	201.5	212.1795
Total: 2812.2582					