

ESTIMATION DPR							
State	Odisha	District	Deogarh	Block	Reamal	Gram Panchayat	Adas

Work Code	OD/351/3347/117200/383359/00068216 (Improvement of Butapali Kata at Adas)
Project Category	Water Body

Financial Year	2022-23	Execution Level	PS
Executing Agency	Panchayat Samiti, Reamal	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	Bathing Ghat or Changing Room	Project Type	Upgradation or Improvement
Name of Executant	Tapan Kumar Majhi		

Administrative Approval Details

Approval No.	OD/351/3347/117200/383359/00068216/AS
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Technical Sanction Details

Technical Sanction No.	OD/351/3347/117200/383359/00068216/TS
Fund Sanction No.	19115/PRDW
Fund Sanction Amount (in Rs.)	200000

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	-	7.7535	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.	-	5.013	Cum
i)	BRM029 : Sand for filling and road blinding	1	5.013	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.	-	2.2575	Cum
i)	BRM340 : Cement	2.29	5.169675	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	1.0836	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	2.1672	1 Cum.

4	R.C.C. Work (AR0404A) ∴ 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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)	-	1.658125	Cum
i)	BRM340 : Cement	3.4733	5.7591655625	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.74615625	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	0.596925	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	0.8953875	1 Cum.

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.	-	1.42	Qntl
i)	BRM341 : Steel	1.05	1.491	1 Qntl.
6	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/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.	-	4.938125	Cum
i)	BRM340 : Cement	0.672	3.31842	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	1.382675	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./Cm² with dimensional tolerance ± 2 %	350	1728.34375	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 ±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.	-	10.423125	Cum
i)	BRM340 : Cement	0.672	7.00434	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	2.918475	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	3648.09375	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.	-	40.8	Sqm
i)	BRM340 : Cement	0.0358	1.46064	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.612	1 Cum

9	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.	-	66.25875	Sqm
i)	BRM340 : Cement	0.043	2.84912625	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	1.1926575	1 Cum
10	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)	-	107.059	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	13.382375	1 Ltr
ii)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	9.6698451612903	1 Ltr
11	Flooring (AR0802ii) :.2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips - 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.	-	11.4075	Sqm
i)	BRM340 : Cement	0.0858	0.9787635	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.012	0.13689	1 Cum
iii)	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)	0.023	0.2623725	1 Cum.
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.	-	0.61425	Qntl
i)	BRM341 : Steel	1	0.61425	1 Qntl.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	5.013	1 Cum	40.25	201.77325
2	BRM028	8.07245375	1 Cum	560.25	4522.5922134375
3	BRM044	2.1672	1 Cum.	402	871.2144
4	BRM060	0.596925	1 Cum.	402	239.96385
5	BRM052	0.8953875	1 Cum.	402	359.945775
6	BRM057	0.2623725	1 Cum.	402	105.473745
					Total: 6300.9632334375