

ESTIMATION DPR							
State	Odisha	District	Kandhamal	Block	Tumudibandh	Gram Panchayat	Guma

Work Code	OD/359/3433/119012/417098/00052640 (Construction of Culvert from Guma to Padam road)
Project Category	CD Work

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Tumudibandh	Proposal Date	15-07-2024
Date of Commencement	17-10-2025	Date of Completion	-
Scheme Name	SFC Devolution of Fund	Scheme Component Name	5TH SFC DEVOLUTION GRANT TO PANCHAYAT SAMITI
Project Sub-Category	Slab Culvert	Project Type	New Work
Name of Executant	Ram		

Administrative Approval Details

Approval No.	OD/359/3433/119012/417098/00052640/AS
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Technical Sanction Details

Technical Sanction No.	OD/359/3433/119012/417098/00052640/TS
Fund Sanction No.	15384
Fund Sanction Amount (in Rs.)	421114

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<p>Earth Work (AR0102aa) :.Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift -</p> <p>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>	-	36.0189696	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.	-	5.083431936	Cum
i)	BRM029 : Sand for filling and road blinding	1	5.083431936	1 Cum
3	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.	-	44.752720224	Cum
i)	BRM340 : Cement	2.29	102.48372931296	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	21.48130570752	1 Cum
iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	42.96261141504	1 Cum.

4	R.C.C. Work (AR0404B) :.Reinforced cement concrete work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips.(Nominal mix as per IS-456, Table-9). - R.C.C. work of M-20 grade with 20mm & downgrade 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(Nominal mix as per IS-456, Table-9).	-	7.0792	Cum
i)	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	2.548512	1 Cum.
ii)	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	3.822768	1 Cum.
iii)	BRM340 : Cement	3.4733	24.58818536	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.45	3.18564	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.	-	7.08	Qntl
i)	BRM162 : Binding Wire.	0.8	5.664	1 Kg.
ii)	BRM341 : Steel	1.05	7.434	1 Qntl.
6	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	-	82.04449736	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.2190588079512	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	10.33760666736	1Mtr.

7	R.C.C. Work (AR0410a) :-Centring & Shuttering for R.C.C. floor and roof slabs, landings,balconies, projecting sun shades and chajjas - 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. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height	-	18.5806	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.622222222222222	11.5612622222222	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.005022222222222	0.093315902222222	1Cum.
8	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.	-	1.699008	Cum
i)	BRM340 : Cement	3.23	5.48779584	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.7645536	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	1.5291072	1 Cum.
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Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	5.083431936	1 Cum	606.41	3082.6439603098
2	BRM340	132.55971051296	1 Qntl.	593.257	78641.976179787
3	BRM028	25.43149930752	1 Cum	678.39	17252.474815228
4	BRM045	42.96261141504	1 Cum.	1453.97	62466.348119126
5	BRM060	2.548512	1 Cum.	2085.28	5314.36110336
6	BRM052	3.822768	1 Cum.	2048.9	7832.4693552
7	BRM162	5.664	1 Kg.	90.1	510.3264
8	BRM341	7.434	1 Qntl.	7139.357	53073.979938
9	BRM104	0.31237471017342	1Cum.	58620.646	18311.607304429
10	BRM092	10.33760666736	1Mtr.	276.666	2860.0642862318
11	BRM084	11.561262222222	1Mtr	297.726	3442.0883563733
12	BRM056	1.5291072	1 Cum.	2063.23	3154.899848256

Total: 255943.2396663