

ESTIMATION DPR

State	Odisha	District	Balangir	Block	Patnagarh	Gram Panchayat	Ghuchepali
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Work Code	OD/345/3293/115945/420701/00069837 (CONST OF GUARD WALL AT DANDARABAHAL TO FUDUKUPADA ROAD)
Project Category	CD Work

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Patnagarh	Proposal Date	-
Date of Commencement	-	Date of Completion	
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	MAINTENANCE OF ROADS AND BRIDGES
Project Sub-Category	Drain Masonry or Cement Concrete	Project Type	New Work
Name of Executant			

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	300000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	<p style="text-align: center;">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>	Cum	32.11875	240.77592	7733.4215805
2	<p style="text-align: center;">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>	Cum	6.42375	571.117832	3668.71817331

3	<p align="center">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>	Cum	51.961	5057.99380256	262818.41597482
4	<p align="center">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</p>	Sqm	92.296	216.23489289764	19957.615674881
Total Amount (in Rs.): 294178.17140351					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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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>	-	32.11875	Cum
i	Un-Skilled	0.516	16.573275	-
2	<p>Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed -</p> <p>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>	-	6.42375	Cum
i	Un-Skilled	0.1236	0.7939755	-

3	<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>	-	51.961	Cum
i	Skilled	0.18	9.35298	-
ii	Un-Skilled	3.9	202.6479	-
4	<p>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</p>	-	92.296	Sqm
i	Semi-Skilled	0.05	4.6148	-
ii	Skilled	0.05	4.6148	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	220.0151505	462	101646.999531
2	Skilled	13.96778	562	7849.89236
3	Semi-Skilled	4.6148	512	2362.7776
Total: 111859.669491				

MATERIAL STATEMENT

SI.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	-	32.11875	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.	-	6.42375	Cum
i)	BRM029 : Sand for filling and road blinding	1	6.42375	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.	-		51.961	Cum
i)	BRM340 : Cement	2.29		118.99069	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48		24.94128	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96		49.88256	1 Cum.
4	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	-		92.296	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267		0.24643032	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126		11.629296	1Mtr.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	6.42375	1 Cum	452.11	2904.2416125

2	BRM340	118.99069	1 Qntl.	532.534	63366.58810846
3	BRM028	24.94128	1 Cum	457.05	11399.412024
4	BRM044	49.88256	1 Cum.	1349.38	67310.5288128
5	BRM104	0.24643032	1Cum.	58573.086	14434.184326368
6	BRM092	11.629296	1Mtr.	229.106	2664.341489376
					Total: 162079.2963735

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	6.42375	1 Cum	56.25	361.3359375
2	BRM028	24.94128	1 Cum	40.25	1003.88652
3	BRM044	49.88256	1 Cum.	149.5	7457.44272
					Total: 8822.6651775

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 2941.7817140351
2	Display Citizen Board @ Rs. 2880	Rs. 2880
		Total Addition Component Amount (in Rs.): 5821.7817140351

Total Net Amount (in Rs.): 299999.95311755