

ESTIMATION DPR

State	Odisha	District	Angul	Block	Anugul	Gram Panchayat	Kothabhuin
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Work Code	OD/344/3276/115569/405127/00016692 (Construction of CC road at Sethi Sahi Lokasingha)		
Project Category	Road		

Financial Year	2024-25	Execution Level	ps
Executing Agency	Panchayat Samiti, Anugul	Proposal Date	17-09-2024
Date of Commencement	-	Date of Completion	
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Maintenance and improvement of Road infrastructure
Project Sub-Category	CC Road	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.)	186532

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	14.90325	240.77592	3588.34372974
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	10.897	1120.295232	12207.857143104

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>	Cum	14.102	6442.76249568	90855.836714079
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4	<p>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 specificaion and direction of Engineer-in charge.</p>	Cum	8.7736875	7906.10730616	69365.714845715
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5	<p style="text-align: center;">R.C.C.</p> <p>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	20.8325	217.65463309124	4534.2901438733
Total Amount (in Rs.): 180552.04257651					

LABOUR STATEMENT

Sl.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 - 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>	-	14.90325	Cum
i	Un-Skilled	0.516	7.690077	-
2	<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>	-	10.897	Cum
i	Un-Skilled	0.1236	1.3468692	-

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.	-	14.102	Cum
i	Skilled	0.18	2.53836	-
ii	Un-Skilled	3.9	54.9978	-

4	<p>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 specificaion and direction of Engineer-in charge.</p>	-	8.7736875	Cum
i	Un-Skilled	4.6	40.3589625	-
ii	Skilled	0.68	5.9661075	-

5	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	-	20.8325	Sqm
i	Semi-Skilled	0.05	1.041625	-
ii	Skilled	0.05	1.041625	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
2	Un-Skilled	104.3937087	462	48229.8934194
4	Skilled	9.5460925	562	5364.903985
3	Semi-Skilled	1.041625	512	533.312
Total: 54128.1094044				

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement 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 - 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>	-	14.90325	Cum
2	<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>	-	10.897	Cum
i)	<p>BRM029 : Sand for filling and road blinding</p>	1	10.897	1 Cum

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>	-	14.102	Cum
i)	BRM340 : Cement	2.29	32.29358	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	6.76896	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	13.53792	1 Cum.
4	<p>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.</p>	-	8.7736875	Cum

i)	BRM340 : Cement	3.23	28.339010625	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	3.948159375	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	7.89631875	1 Cum.
5	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	-	20.8325	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.055622775	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	2.624895	1Mtr.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	10.897	1 Cum	933.85	10176.16345
2	BRM340	60.632590625	1 Qntl.	562.252	34090.795344087
3	BRM028	10.717119375	1 Cum	938.79	10061.124498056
4	BRM044	13.53792	1 Cum.	1949.16	26387.5721472

5	BRM056	7.89631875	1 Cum.	2350.53	18560.534111437
6	BRM104	0.055622775	1Cum.	59001.126	3281.8063562447
7	BRM092	2.624895	1Mtr.	657.146	1724.93924967
Total: 104282.9351567					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	10.897	1 Cum	118.25	1288.57025
2	BRM028	10.717119375	1 Cum	118.25	1267.2993660937
3	BRM044	13.53792	1 Cum.	504.5	6829.88064
4	BRM056	7.89631875	1 Cum.	504.5	3983.692809375
Total: 13369.443065469					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 1865	Rs. 1865
2	Display Citizen Board @ Rs. 2712	Rs. 2712
3	Any Other Lumpsum @ Rs. 1402	Rs. 1402
Total Addition Component Amount (in Rs.): 5979		

Total Net Amount (in Rs.): 186531.04257651