

ESTIMATION DPR							
State	Odisha	District	Nayagarh	Block	Nayagarh	Panchayat	Champatipur
Work Code	OD/367/3527/120660/406280/00013753 (CONST OF CC ROAD FROM PWD ROAD TO KALYAN MANDAP OF CHAMPATIPUR)						
Project Category	Road						
Financial Year	2023-24			Execution Level	Champatipur, G.P		
Executing Agency	Panchayat Samiti, Nayagarh			Proposal Date	17-11-2023		
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.	12942
Fund Sanction Amount (in Rs.)	172711

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	0.88875	235.56432	209.3577894
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	12.195625	779.535372	9506.9210711475

3	<p>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.</p>	Cum	13.973125	5130.2318043	71685.370280459
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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	12.61696	6905.5061581	87126.494976501
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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	11.85	215.22489289764	2550.414980837
Total Amount (in Rs.): 171078.55909835					

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>	0.88875	235.56432	Cum
i	Un-Skilled	0.516	0.458595	-
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>	12.195625	779.535372	Cum
i	Un-Skilled	0.1236	1.50737925	-

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.	13.973125	5130.2318043	Cum
i	Un-Skilled	3.9	54.4951875	-
ii	Skilled	0.18	2.5151625	-

4	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.	12.61696	6905.5061581	Cum
i	Un-Skilled	4.6	58.038016	-
ii	Skilled	0.68	8.5795328	-

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	11.85	215.22489289764	Sqm
i	Semi-Skilled	0.05	0.5925	-
ii	Skilled	0.05	0.5925	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
2	Un-Skilled	114.49917775	452	51753.628343
4	Skilled	11.6871953	552	6451.3318056
3	Semi-Skilled	0.5925	502	297.435
Total: 58502.3951486				

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>	-	0.88875	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>	-	12.195625	Cum
i)	<p>BRM029 : Sand for filling and road blinding</p>	1	12.195625	1 Cum

3	<p>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.</p>	-	13.973125	Cum
i)	BRM340 : Cement	2.29	31.99845625	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	6.7071	1 Cum
iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	13.4142	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>	-	12.61696	Cum

i)	BRM340 : Cement	3.23	40.7527808	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	5.677632	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	11.355264	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	-	11.85	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.0316395	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	1.4931	1Mtr.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	12.195625	1 Cum	410.7	5008.7431875
2	BRM340	72.75123705	1 Qntl.	579.287	42143.845856983
3	BRM028	12.384732	1 Cum	417.13	5166.04325916
4	BRM045	13.4142	1 Cum.	1038.44	13929.841848

5	BRM056	11.355264	1 Cum.	1672.63	18993.15522432
6	BRM104	0.0316395	1Cum.	58573.086	1853.223154497
7	BRM092	1.4931	1Mtr.	229.106	342.0781686
Total: 87436.93069906					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	12.195625	1 Cum	305.25	3722.71453125
2	BRM028	12.384732	1 Cum	305.25	3780.439443
3	BRM045	13.4142	1 Cum.	199.5	2676.1329
4	BRM056	11.355264	1 Cum.	199.5	2265.375168
Total: 12444.66204225					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Display Citizen Board @ Rs. 1000	Rs. 1000
2	Any Other Lumpsum @ Rs. 632	Rs. 632
Total Addition Component Amount (in Rs.): 1632		

Total Net Amount (in Rs.): 172710.55909835