

ESTIMATION DPR

State	Odisha	District	Balasore	Block	Khaira	Gram Panchayat	Khaira
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Work Code	OD/346/3304/116217/393535/00076563 (Imprvt. of CC road from Ananda sahu house to Rabindra sahu house at Purosattama Village)
Project Category	Road

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Khaira	Proposal Date	-
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	Upgradation or Improvement
Name of Executant			

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	6908
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	2.2279622844	240.77592	536.43966875171
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	9.446560085856	1661.251232	15693.10958079

3	<p style="text-align: center;">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	12.40083807497	6731.2476867	83473.112605283
4	<p style="text-align: center;">Concrete (AR0307a) : Cement concrete (1:2:4)with 12mm size hard granite(Hand broken)chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(hand broken) chips including hoisting and laying in position compacting to proper thickness 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 specifcaion and direction of Engineer-in charge.</p>	Cum	9.80303405136	8000.4232009	78428.421063713

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	Sqm	25.72977942348	216.23489289764	5563.6760979161
Total Amount (in Rs.): 183694.75901645					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement 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	-	2.2279622844	Cum
i	Un-Skilled	0.516	1.1496285387504	-

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>	-	9.446560085856	Cum
i	Un-Skilled	0.1236	1.1675948266118	-
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>	-	12.40083807497	Cum
i	Un-Skilled	3.9	48.363268492383	-
ii	Skilled	0.18	2.2321508534946	-

4	<p>Concrete (AR0307a) : Cement concrete (1:2:4)with 12mm size hard granite(Hand broken)chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(hand broken) chips including hoisting and laying in position compacting to proper thickness 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>	-	9.80303405136	Cum
	i Un-Skilled	4.6	45.093956636256	-
	ii Skilled	0.68	6.6660631549248	-
5	<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>	-	25.72977942348	Sqm
	i Semi-Skilled	0.05	1.286488971174	-
	ii Skilled	0.05	1.286488971174	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	95.774448494001	462	44247.795204229
2	Skilled	10.184702979593	562	5723.8030745315
3	Semi-Skilled	1.286488971174	512	658.68235324109
Total: 50630.280632001				

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	-	2.2279622844	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.	-	9.446560085856	Cum
i)	BRM029 : Sand for filling and road blinding	1	9.446560085856	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>	-	12.40083807497	Cum
i)	BRM340 : Cement	2.29	28.397919191681	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	5.9524022759856	1 Cum
iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	11.904804551971	1 Cum.
4	<p>Concrete (AR0307a) :.Cement concrete (1:2:4)with 12mm size hard granite(Hand broken)chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(hand broken) chips including hoisting and laying in position compacting to proper thickness 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>	-	9.80303405136	Cum
i)	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)	0.9	8.822730646224	1 Cum.
ii)	BRM340 : Cement	3.23	31.663799985893	1 Qntl.

iii)	BRM028 : Screened and washed sharp sand for mortar	0.45	4.411365323112	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	-	25.72977942348	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.068698511060692	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	3.2419522073585	1Mtr.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	9.446560085856	1 Cum	1145.45	10820.562250344
2	BRM340	60.061719177574	1 Qntl.	561.987	33753.905375447
3	BRM028	10.363767599098	1 Cum	1150.39	11922.374608326
4	BRM045	11.904804551971	1 Cum.	1466.99	17464.229229696
5	BRM057	8.822730646224	1 Cum.	1729.63	15260.059607628
6	BRM104	0.06869851106069 2	1Cum.	58573.086	4023.8837964298
7	BRM092	3.2419522073585	1Mtr.	229.106	742.75070241907
Total: 93987.765570291					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	9.446560085856	1 Cum	442.25	4177.7411979698
2	BRM028	10.363767599098	1 Cum	442.25	4583.3762207009
3	BRM045	11.904804551971	1 Cum.	1125.5	13398.857523244
4	BRM057	8.822730646224	1 Cum.	1125.5	9929.9833423251
Total: 32089.958284239					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 1836.9475901645
2	Display Citizen Board @ Rs. 1000	Rs. 1000
Total Addition Component Amount (in Rs.): 2836.9475901645		

Total Net Amount (in Rs.): 186531.70660662