

ESTIMATION DPR							
State	Odisha	District	Rayagada	Block	Kolnara	Gram Panchayat	Badakhilapadar

Work Code	OD/370/3553/121193/426260/00063643 (Improvement of road with CC/Gr-II Metalling from RD Road to village at R.Sikabadi)						
Project Category	Road						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Kolnara	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	New Work
Name of Executant			

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	18204
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	16.77	240.77592	4037.8121784
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	13.26	825.880232	10951.17187632

3	<p style="text-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	16.77	5373.97343174	90121.53445028
4	<p style="text-align: center;">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 specifcaion and direction of Engineer-in charge.</p>	Cum	9.555	6877.01034938	65709.833888326

5	<p>R.C.C. Work (AR0410b) : centering and shuttering fRigid and smooth or R.C.C. works including false works and dismantling them after casting - 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. stairs excluding landing but including railing details for 5 Sqm</p>	Sqm	13.26	918.337198106	12177.151246886
Total Amount (in Rs.): 182997.50364021					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement 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 - 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>	-	16.77	Cum
i	Un-Skilled	0.516	8.65332	-

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>	-	13.26	Cum
i	Un-Skilled	0.1236	1.638936	-
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>	-	16.77	Cum
i	Skilled	0.18	3.0186	-
ii	Un-Skilled	3.9	65.403	-

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>	-	9.555	Cum
i	Un-Skilled	4.6	43.953	-
ii	Skilled	0.68	6.4974	-
5	<p>R.C.C. Work (AR0410b) : centering and shuttering fRigid and smooth or R.C.C. works including false works and dismantling them after casting - 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. stairs excluding landing but including railing details for 5 Sqm</p>	-	13.26	Sqm
i	Semi-Skilled	0.55	7.293	-
ii	Skilled	0.55	7.293	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	119.648256	462	55277.494272
2	Skilled	16.809	562	9446.658
3	Semi-Skilled	7.293	512	3734.016
				Total: 68458.168272

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	-	16.77	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.	-	13.26	Cum
i)	BRM029 : Sand for filling and road blinding	1	13.26	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>	-	16.77	Cum
i)	BRM340 : Cement	2.29	38.4033	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	8.0496	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	16.0992	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 specificaion and direction of Engineer-in charge.</p>	-	9.555	Cum
i)	BRM340 : Cement	3.23	30.86265	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	4.29975	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	8.5995	1 Cum.
5	R.C.C. Work (AR0410b) :.centering and shuttering fRigid and smooth or R.C.C. works including false works and dismantling them after casting - 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. stairs excluding landing but including railing details for 5 Sqm	-	13.26	Sqm
i)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.13	1.7238	1Mtr.
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00534	0.0708084	1Cum.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	13.26	1 Cum	608.35	8066.721
2	BRM340	69.26595	1 Qntl.	549.697	38075.28491715
3	BRM028	12.34935	1 Cum	613.29	7573.7328615
4	BRM044	16.0992	1 Cum.	1486.41	23930.011872
5	BRM056	8.5995	1 Cum.	1933.03	16623.091485
6	BRM094	1.7238	1Mtr.	240.106	413.8947228
7	BRM104	0.0708084	1Cum.	58573.086	4147.4665027224
Total: 98830.203361172					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	13.26	1 Cum	152.25	2018.835
2	BRM028	12.34935	1 Cum	152.25	1880.1885375
3	BRM044	16.0992	1 Cum.	159.5	2567.8224

4	BRM056	8.5995	1 Cum.	159.5	1371.62025
					Total: 7838.4661875

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 1829.9750364021
2	Display Citizen Board @ Rs. 1700	Rs. 1700
		Total Addition Component Amount (in Rs.): 3529.9750364021

Total Net Amount (in Rs.): 186527.47867661