

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Malkangiri	<b>Block</b>	Malkangiri	<b>Panchayat</b>	Goudaguda
<b>Work Code</b>	OD/364/3484/119996/430265/00015647 (Improvement of Road From R.D Road To Segregation Shed At Biraguda.)						
<b>Project Category</b>	Road						
<b>Financial Year</b>	2024-25		<b>Execution Level</b>		Goudaguda, G.P		
<b>Executing Agency</b>	Panchayat Samiti, Malkangiri		<b>Proposal Date</b>		-		
<b>Date of Commencement</b>	-		<b>Date of Completion</b>				
<b>Scheme Name</b>	5th SFC Grant in Aid		<b>Scheme Component Name</b>		All Weather Connectivity		
<b>Project Sub-Category</b>	CC Road		<b>Project Type</b>		Upgradation or Improvement		
<b>Name of Executant</b>							

### Administrative Approval Details

<b>Approval No.</b>	
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### Technical Sanction Details

<b>Technical Sanction No.</b>	
<b>Fund Sanction No.</b>	
<b>Fund Sanction Amount (in Rs.)</b>	125000

### 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;"><b>Earth Work (AR0102a) :</b></p> <p><b>Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift -</b></p> <p>Earth work in hard soil or gravelly soil 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	70	196.3036	13741.252
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2	<p style="text-align: center;"><b>Road Work (AR1308) : moorum and sand admixture laying in sub-base in layers not exceeding 100mm watering and compacting to the required density in O.M.C with PRR -</b></p> <p>Supplying &amp; spreading moorum and sand admixture in a ratio (70:30) laying in sub-base in layers not exceeding 100mm watering and compacting to the required density in O.M.C with PRR including cost, conveyance, royalty, taxes cost of all labour &amp; material, hire charges of T &amp; P materials required for work as per specification and complete as per direction of Engineer-in-Charge.</p>	Cum	42	1191.9855219749	50063.391922946
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3	<p style="text-align: center;"><b>Road Work (AR1339)</b>  <b>: Construction of granular sub-base by providing Close graded Granular subbase Grading-III material as per table 400-1 -</b>  Construction of granular sub-base by providing Close graded Granular subbase Grading-III material as per table 400-1, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density complete including cost conveyance, royalty, taxes, cess etc. of all materials, etc. as per Clause 401 of MoRT&amp;H Specifications for Road &amp; Bridge works (Last Revision).</p>	Cum	18.9	1431.3513017333	27052.539602759
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1	<p><b>Earth Work (AR0102 a) :</b>  <b>Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift</b>  - Earth work in hard soil or gravelly soil 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>	70	Cubic Meter	0.43	30.1	-	-	-	-
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2	<b>Road Work (AR1308) :</b> <b>moorum and sand admixture laying in sub-base in layers not exceeding 100mm watering and compacting to the required density in O.M.C with PRR -</b> Supplying & spreading moorum and sand admixture in a ratio (70:30) laying in sub-base in layers not exceeding 100mm watering and compacting to the required density in O.M.C with PRR including cost, conveyance, royalty, taxes cost of all labour & material, hire charges of T & P materials required for work as per specification and complete	42	Cubic Meter	1.133392 2261484	47.60247 3498233	-	-	-	-
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3	<b>Road Work (AR1339) : Construction of granular sub-base by providing Close graded Granular subbase Grading-III material as per table 400-1 -</b> Construct ion of granular sub-base by providing Close graded Granular subbase Grading-III material as per table 400-1, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacti ng with vibratory roller to achieve the desired density complete including cost	18.9	Cubic Meter	0.033333 33333333 3	0.63	0.0016	0.03024	0.006666 66666666 67	0.126
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4	<p><b>Concrete</b></p> <p><b>(AR0303)</b> ): <b>Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal -</b> 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	1.305	Cubic Meter	3.9	5.0895	-	-	0.18	0.2349
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<b>Total Qty</b>	<b>83.421973498233</b>	<b>0.3609</b>	<b>0.03024</b>
<b>Rate Per Man Day</b>	<b>452</b>	<b>552</b>	<b>502</b>
<b>Total Amount</b>	<b>37706.732021201</b>	<b>199.2168</b>	<b>15.18048</b>
<b>Total Labour Amount (in Rs.): 37921.129301201</b>			

## **MATERIAL STATEMENT**

<b>Sl.No.</b>	<b>Activity Name/Material</b>	<b>Qty/unit (B=Analysis Basic Qty/Header Unit)</b>	<b>Quantity (Meaurement Qty)</b>	<b>Unit</b>
1	<b>Earth Work (AR0102a) :.Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift -</b> Earth work in hard soil or gravelly soil 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	-	<b>70</b>	Cum

2	<b>Road Work (AR1308) :.moorum and sand admixture laying in sub-base in layers not exceeding 100mm watering and compacting to the required density in O.M.C with PRR -</b> Supplying & spreading moorum and sand admixture in a ratio (70:30) laying in sub-base in layers not exceeding 100mm watering and compacting to the required density in O.M.C with PRR including cost, conveyance, royalty, taxes cost of all labour & material, hire charges of T & P materials required for work as per specification and complete as per direction of Engineer-in-Charge.	-	42	Cum
i)	<b>BRM025</b> : Gravel or moorum	0.89578798586572	37.62309540636	1 Cum
ii)	<b>BRM029</b> : Sand for filling and road blinding	0.384	16.128	1 Cum

3	<b>Road Work (AR1339)</b> <b>::Construction of granular sub-base by providing Close graded Granular subbase Grading-III material as per table 400-1 -</b> Construction of granular sub-base by providing Close graded Granular subbase Grading-III material as per table 400-1, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density complete including cost conveyance, royalty, taxes, cess etc. of all materials, etc. as per Clause 401 of MoRT&H Specifications for Road & Bridge works (Last Revision).	-	18.9	Cum
i)	<b>BRMMR0037</b> : Cost of water	0.06	1.134	KL
ii)	<b>BRM026</b> : Stone screened Dust passing through 2.36 mm sieve and retained on 0.075 mm sieve	0.672	12.7008	1 Cum
iii)	<b>BRM064</b> : Granite stone broken chips of 4.7 mm size passing through 6.7 mm sieve (crusher broken.) and retained on 2.36 mm sieve.	0.16	3.024	1 Cum.
iv)	<b>BRM062</b> : Granite Stone broken chips 6.7mm size (Passing through 11.2mm sieve & retained on 2.8mm sieve)	0.448	8.4672	1 Cum.

4	<b>Concrete (AR0303) :.Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal -</b> 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.	-	1.305	Cum
i)	<b>BRM340 : Cement</b>	2.29	2.98845	1 Qntl.
ii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.48	0.6264	1 Cum
iii)	<b>BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)</b>	0.96	1.2528	1 Cum.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM025</b>	37.62309540636	1 Cum	472.09	17761.487110389
2	<b>BRM029</b>	16.128	1 Cum	478.15	7711.6032
3	<b>BRMMR0037</b>	1.134	KL	10	11.34
4	<b>BRM026</b>	12.7008	1 Cum	542.54	6890.692032
5	<b>BRM064</b>	3.024	1 Cum.	1256.41	3799.38384
6	<b>BRM062</b>	8.4672	1 Cum.	1363.67	11546.466624
7	<b>BRM340</b>	2.98845	1 Qntl.	670.037	2002.37207265
8	<b>BRM028</b>	0.6264	1 Cum	808.59	506.500776
9	<b>BRM044</b>	1.2528	1 Cum.	1466.56	1837.306368

**Total: 52067.152023039**

## ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
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1	<b>BRM025</b>	37.62309540636	1 Cum	40.25	1514.329590106
2	<b>BRM029</b>	16.128	1 Cum	40.25	649.152
3	<b>BRM026</b>	12.7008	1 Cum	40.25	511.2072
4	<b>BRM064</b>	3.024	1 Cum.	149.5	452.088
5	<b>BRM062</b>	8.4672	1 Cum.	149.5	1265.8464
6	<b>BRM028</b>	0.6264	1 Cum	40.25	25.2126
7	<b>BRM044</b>	1.2528	1 Cum.	149.5	187.2936
<b>Total: 4605.129390106</b>					

### **ADDITION COMPONENT**

<b>Sl.No.</b>	<b>Item Name</b>	<b>Amount (in Rs.)</b>
1	Provision for Contingency @ 1%	Rs. 984.51149639419
2	Display Citizen Board @ Rs. 2000	Rs. 2000
3	Any Other Lumpsum @ Rs. 23564	Rs. 23564
<b>Total Addition Component Amount (in Rs.): 26548.511496394</b>		

**Total Net Amount (in Rs.): 124999.66113581**