

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Khordha	<b>Block</b>	Khordha	<b>Gram Panchayat</b>	Barasahi

<b>Work Code</b>	OD/362/3464/275250/407308/00032314 (Const Of Metal Morrum Road From Prafful Samantaray House To Nityananda Sundaray House,Kumbhilo)
<b>Project Category</b>	Road

<b>Financial Year</b>	2023-24	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Khordha	<b>Proposal Date</b>	-
<b>Date of Commencement</b>	15-09-2025	<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>	Mettalling Road	<b>Project Type</b>	New Work
<b>Name of Executant</b>	SUBHASHMITA SAHOO		

### Administrative Approval Details

<b>Approval No.</b>	OD/362/3464/275250/407308/00032314/AS
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### Technical Sanction Details

<b>Technical Sanction No.</b>	OD/362/3464/275250/407308/00032314/TS
<b>Fund Sanction No.</b>	15598
<b>Fund Sanction Amount (in Rs.)</b>	300000

### ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
1	<p><b>Earth Work (AR0110) : Fine dressing of earth work in ordinary or hard soil in road formation -</b>            Fine dressing of earth work in ordinary or hard soil in road formaton according to the direction of the department including cutting or filling earth upto 0.15m depth of surface.</p>	Sqm	989.41695	4.6662	11726.7018792

2	<p><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 &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	100.52464	1414.1884233516	11726.7018792
3	<p><b>Road Work (AR1313) : Supplying &amp; spreading with sand 6mm thick for road binding in road surface -</b> Supplying &amp; spreading with sand 6mm thick for road binding in road surface 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 direction of Engineer-in-Charge.</p>	Sqm	659.6113	6.9683158064516	11726.7018792

4	<p><b>Road Work (AR1341d) : Providing, laying, spreading and compacting Grading-II stone aggregates of specific sizes using stone screened dust to water bound macadam -</b>  Providing, laying, spreading and compacting Grading-II stone aggregates of specific sizes using stone screened dust to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/binding materials to fill up the interstices of coarse aggregate, watering and compacting to the required density as per Clause 404 of MoRT&amp;H Specifications for Road &amp; Bridge works(Last Revision).</p>	Cum	66.3462624	1794.7279921361	11726.7018792
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5	<p><b>Earth Work (AR0122Bii) :</b>  <b>Earthwork in hard soil or gravelly soil within 5 Km. mechanical carriages and spreading in filling area/road berm within initial lead and lift -</b>  Earthwork in hard soil or gravelly soil within 5 Km.mechanical carriages and spreading in filling area/road berm within initial lead and lift including dressing and leveling the bed, etc. as per direction of Engineer-in-Charge.</p>	Cum	30.157392	361.33930892	11726.7018792
6	<p><b>Road Work (AR1306) : Labour for admixture of sand and moorum -</b> Labour for admixture of sand and moorum including labour cost, for work as per specification and direction of Engineer-in-Charge.</p>	Cum	100.52464	116.655	11726.7018792
<b>Total Amount (in Rs.): 293071.22673578</b>					

## LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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1	<p><b>Earth Work (AR0110)</b>  <b>: Fine dressing of earth work in ordinary or hard soil in road formation -</b>  Fine dressing of earth work in ordinary or hard soil in road formaton according to the direction of the department including cutting or filling earth upto 0.15m depth of surface.</p>	-	989.41695	Sqm
i	Un-Skilled	0.01	9.8941695	-
2	<p><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 &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>	-	100.52464	Cum
i	Un-Skilled	1.1333922261484	113.93384551237	-

3	<p><b>Road Work (AR1313) : Supplying &amp; spreading with sand 6mm thick for road binding in road surface</b> - Supplying &amp; spreading with sand 6mm thick for road binding in road surface 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 direction of Engineer-in-Charge.</p>	-	659.6113	Sqm
i	Un-Skilled	0.0032258064516129	2.1277783870968	-
4	<p><b>Road Work (AR1341d) : Providing, laying, spreading and compacting Grading-II stone aggregates of specific sizes using stone screened dust to water bound macadam</b> - Providing, laying, spreading and compacting Grading-II stone aggregates of specific sizes using stone screened dust to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/binding materials to fill up the interstices of coarse aggregate, watering and compacting to the required density as per Clause 404 of MoRT&amp;H Specifications for Road &amp; Bridge works(Last Revision).</p>	-	66.3462624	Cum

	i	Un-Skilled	0.6944444444444444	46.0737933333333	-
	ii	Skilled	0.00555555555555556	0.368590346666667	-
	iii	Semi-Skilled	0.028	1.8576953472	-
5		<b>Earth Work (AR0122Bii) : Earthwork in hard soil or gravelly soil within 5 Km. mechanical carriages and spreading in filling area/road berm within initial lead and lift -</b> Earthwork in hard soil or gravelly soil within 5 Km.mechanical carriages and spreading in filling area/road berm within initial lead and lift including dressing and leveling the bed, etc. as per direction of Engineer-in-Charge.	-	30.157392	Cum
	i	Un-Skilled	0.43	12.96767856	-
6		<b>Road Work (AR1306) : Labour for admixture of sand and moorum -</b> Labour for admixture of sand and moorum including labour cost, for work as per specification and direction of Engineer-in-Charge.	-	100.52464	Cum
	i	Un-Skilled	0.25	25.13116	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	210.1284252928	462	97079.332485272

1	Skilled	0.36859034666667	562	207.14777482667
2	Semi-Skilled	1.8576953472	512	951.1400177664
				<b>Total: 98237.620277866</b>

## MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<b>Earth Work (AR0110)</b> <b>:.Fine dressing of earth work in ordinary or hard soil in road formation -</b> Fine dressing of earth work in ordinary or hard soil in road formaton according to the direction of the department including cutting or filling earth upto 0.15m depth of surface.	-	<b>989.41695</b>	Sqm
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 as per direction of Engineer-in-Charge.	-	<b>100.52464</b>	Cum
i)	<b>BRM025</b> : Gravel or moorum	0.89578798586572	90.048764795477	1 Cum
ii)	<b>BRM029</b> : Sand for filling and road blinding	0.384	38.60146176	1 Cum

3	<p><b>Road Work (AR1313)</b>  <b>:.Supplying &amp; spreading with sand 6mm thick for road binding in road surface</b> - Supplying &amp; spreading with sand 6mm thick for road binding in road surface 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 direction of Engineer-in-Charge.</p>	-	<b>659.6113</b>	Sqm
i)	<b>BRM029</b> : Sand for filling and road blinding	0.006	3.9576678	1 Cum
4	<p><b>Road Work (AR1341d)</b>  <b>:.Providing, laying, spreading and compacting Grading-II stone aggregates of specific sizes using stone screened dust to water bound macadam</b> - Providing, laying, spreading and compacting Grading-II stone aggregates of specific sizes using stone screened dust to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/binding materials to fill up the interstices of coarse aggregate, watering and compacting to the required density as per Clause 404 of MoRT&amp;H Specifications for Road &amp; Bridge works(Last Revision).</p>	-	<b>66.3462624</b>	Cum
i)	<b>BRMMR0037</b> : Cost of water	0.4	26.53850496	KL
ii)	<b>BRM076</b> : I.R.C. Grade II (63mm. to 45mm.)	1.21	80.278977504	1 Cum.

iii)	<b>BRM026</b> : Stone screened Dust passing through 2.36 mm sieve and retained on 0.075 mm sieve	0.3466944444444444	23.001880583733	1 Cum
5	<b>Earth Work (AR0122Bii)</b> :.Earthwork in hard soil or gravelly soil within 5 Km. mechanical carriages and spreading in filling area/road berm within initial lead and lift - Earthwork in hard soil or gravelly soil within 5 Km.mechanical carriages and spreading in filling area/road berm within initial lead and lift including dressing and leveling the bed, etc. as per direction of Engineer-in-Charge.	-	<b>30.157392</b>	Cum
i)	<b>BRMM402</b> : Loading into trucks and unloading from trucks within 50 Meter lead (2/3 of rate is consider for loading).	-0.6666	-20.1029175072	1 Cum
ii)	<b>BRMM401</b> : Conveyance of material by 10 ton trucks within 5 KM including loading and unloading	1	30.157392	1 Cum
6	<b>Road Work (AR1306)</b> :.Labour for admixture of sand and moorum - Labour for admixture of sand and moorum including labour cost, for work as per specification and direction of Engineer-in-Charge.	-	<b>100.52464</b>	Cum

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM025</b>	90.048764795477	1 Cum	532.56	47956.370179479
2	<b>BRM029</b>	42.55912956	1 Cum	853	36302.93751468
3	<b>BRMMR0037</b>	26.53850496	KL	10	265.3850496
4	<b>BRM076</b>	80.278977504	1 Cum.	867.3	69625.957189219
5	<b>BRM026</b>	23.001880583733	1 Cum	672.74	15474.285143901
6	<b>BRMM402</b>	-20.1029175072	1 Cum	175.38	-3525.6496724127
7	<b>BRMM401</b>	30.157392	1 Cum	276.01	8323.74176592

## ROYALTY STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<p><b>Earth Work (AR0110)</b>  <b>:.Fine dressing of earth work in ordinary or hard soil in road formation -</b>            Fine dressing of earth work in ordinary or hard soil in road formaton according to the direction of the department including cutting or filling earth upto 0.15m depth of surface.</p>	-	989.41695	Sqm
2	<p><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 &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>	-	100.52464	Cum
i)	<b>BRM025</b> : Gravel or moorum	0.89578798586572	90.048764795477	1 Cum
ii)	<b>BRM029</b> : Sand for filling and road blinding	0.384	38.60146176	1 Cum

3	<p><b>Road Work (AR1313)</b>  <b>:.Supplying &amp; spreading with sand 6mm thick for road binding in road surface</b> - Supplying &amp; spreading with sand 6mm thick for road binding in road surface 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 direction of Engineer-in-Charge.</p>	-	659.6113	Sqm
i)	<p><b>BRM029</b> : Sand for filling and road blinding</p>	0.006	3.9576678	1 Cum
4	<p><b>Road Work (AR1341d)</b>  <b>:.Providing, laying, spreading and compacting Grading-II stone aggregates of specific sizes using stone screened dust to water bound macadam</b> - Providing, laying, spreading and compacting Grading-II stone aggregates of specific sizes using stone screened dust to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/binding materials to fill up the interstices of coarse aggregate, watering and compacting to the required density as per Clause 404 of MoRT&amp;H Specifications for Road &amp; Bridge works(Last Revision).</p>	-	66.3462624	Cum
i)	<p><b>BRM026</b> : Stone screened Dust passing through 2.36 mm sieve and retained on 0.075 mm sieve</p>	0.3466944444444444	23.001880583733	1 Cum

5	<b>Earth Work (AR0122Bii)</b> :.Earthwork in hard soil or gravelly soil within 5 Km. mechanical carriages and spreading in filling area/road berm within initial lead and lift - Earthwork in hard soil or gravelly soil within 5 Km.mechanical carriages and spreading in filling area/road berm within initial lead and lift including dressing and leveling the bed, etc. as per direction of Engineer-in-Charge.	-	<b>30.157392</b>	Cum
6	<b>Road Work (AR1306)</b> :.Labour for admixture of sand and moorum - Labour for admixture of sand and moorum including labour cost, for work as per specification and direction of Engineer-in-Charge.	-	<b>100.52464</b>	Cum

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM025</b>	90.048764795477	1 Cum	48.5	4367.3650925806
2	<b>BRM029</b>	42.55912956	1 Cum	48.5	2064.11778366
3	<b>BRM026</b>	23.001880583733	1 Cum	214.75	4939.6538553567
<b>Total: 11371.136731597</b>					

#### ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 2930.7122673578
2	Display Citizen Board @ Rs. 2000	Rs. 2000
3	Any Other Lumpsum @ Rs. 1998	Rs. 1998
<b>Total Addition Component Amount (in Rs.): 6928.7122673578</b>		

**Total Net Amount (in Rs.): 299999.93900314**