

ESTIMATION DPR							
State	Odisha	District	Malkangiri	Block	Mathili	Gram Panchayat	Bhejaguda

Work Code	OD/364/3485/120009/430149/00039360 (Impvt. Of Road from Pulapalli-2 To Tingaliguda)
Project Category	Road

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Mathili	Proposal Date	-
Date of Commencement	24-07-2025	Date of Completion	-
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	All Weather Connectivity
Project Sub-Category	Mettalling Road	Project Type	Upgradation or Improvement
Name of Executant	Gouro Machha		

Administrative Approval Details

Approval No.	OD/364/3485/120009/430149/00039360/AS
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Technical Sanction Details

Technical Sanction No.	OD/364/3485/120009/430149/00039360/TS
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	300000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	<p>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 - 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	41.4	361.33930892	134845.60757483
2	<p>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 - 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.</p>	Cum	91.08	1583.6208136074	134845.60757483

3	<p>Road Work (AR1341a) : Providing, laying, spreading and compacting Grading-I stone aggregates of specific sizes using moorum or gravel to water bound macadam - Providing, laying, spreading and compacting Grading-I stone aggregates of specific sizes using moorum or gravel 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&H Specifications for Road & Bridge works(Last Revision).</p>	Cum	44.16	3053.5690121111	134845.60757483
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Total Amount (in Rs.): 294041.23866748

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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1	<p>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 - 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>	-	41.4	Cum
i	Un-Skilled	0.43	17.802	-
2	<p>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 - 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.</p>	-	91.08	Cum
i	Un-Skilled	1.1333922261484	103.2293639576	-

3	Road Work (AR1341a) : Providing, laying, spreading and compacting Grading-I stone aggregates of specific sizes using moorum or gravel to water bound macadam - Providing, laying, spreading and compacting Grading-I stone aggregates of specific sizes using moorum or gravel 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&H Specifications for Road & Bridge works(Last Revision).	-	44.16	Cum
i	Un-Skilled	0.6944444444444444	30.6666666666667	-
ii	Skilled	0.0055555555555556	0.245333333333333	-
iii	Semi-Skilled	0.028	1.23648	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	151.69803062426	462	70084.49014841
1	Skilled	0.245333333333333	562	137.877333333333
2	Semi-Skilled	1.23648	512	633.07776

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	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 - 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.	-	41.4	Cum
i)	BRMM402 : Loading into trucks and unloading from trucks within 50 Meter lead (2/3 of rate is consider for loading).	-0.6666	-27.59724	1 Cum
ii)	BRMM401 : Conveyance of material by 10 ton trucks within 5 KM including loading and unloading	1	41.4	1 Cum

2	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 - 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.	-	91.08	Cum
i)	BRM025 : Gravel or moorum	0.89578798586572	81.58836975265	1 Cum
ii)	BRM029 : Sand for filling and road blinding	0.384	34.97472	1 Cum

3	Road Work (AR1341a) :.Providing, laying, spreading and compacting Grading-I stone aggregates of specific sizes using moorum or gravel to water bound macadam - Providing, laying, spreading and compacting Grading-I stone aggregates of specific sizes using moorum or gravel 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&H Specifications for Road & Bridge works(Last Revision).	-	44.16	Cum
i)	BRMMR0037 : Cost of water	0.4	17.664	KL
ii)	BRM025 : Gravel or moorum	0.3	13.248	1 Cum
iii)	BRM075 : I.R.C. Grade I (90mm-45 mm.)	1.21	53.4336	1 Cum.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRMM402	-27.59724	1 Cum	175.38	-4840.0039512
2	BRMM401	41.4	1 Cum	276.01	11426.814
3	BRM025	94.83636975265	1 Cum	667.39	63292.844809221
4	BRM029	34.97472	1 Cum	738.55	25830.579456
5	BRMMR0037	17.664	KL	10	176.64
6	BRM075	53.4336	1 Cum.	1651.91	88267.498176
Total: 184154.37249002					

ROYALTY STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	<p>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 - 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>	-	41.4	Cum
2	<p>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 - 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.</p>	-	91.08	Cum
i)	BRM025 : Gravel or moorum	0.89578798586572	81.58836975265	1 Cum
ii)	BRM029 : Sand for filling and road blinding	0.384	34.97472	1 Cum

3	Road Work (AR1341a) :.Providing, laying, spreading and compacting Grading-I stone aggregates of specific sizes using moorum or gravel to water bound macadam - Providing, laying, spreading and compacting Grading-I stone aggregates of specific sizes using moorum or gravel 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&H Specifications for Road & Bridge works(Last Revision).	-	44.16	Cum
i)	BRM025 : Gravel or moorum	0.3	13.248	1 Cum
ii)	BRM075 : I.R.C. Grade I (90mm-45 mm.)	1.21	53.4336	1 Cum.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM025	94.83636975265	1 Cum	140.25	13300.800857809
2	BRM029	34.97472	1 Cum	71.25	2491.9488
3	BRM075	53.4336	1 Cum.	299.5	16003.3632
Total: 31796.112857809					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 2940.4123866748
2	Display Citizen Board @ Rs. 3018	Rs. 3018
Total Addition Component Amount (in Rs.): 5958.4123866748		

Total Net Amount (in Rs.): 299999.65105415