

ESTIMATION DPR							
State	Odisha	District	Sambalpur	Block	Rairakhol	Gram Panchayat	Gadgadbahal

Work Code	OD/371/3565/121403/382340/00045456 (Construction of Grade-II Metalling road from Bandhantaila to Guhiradadar Sabarsahi)
Project Category	Road

Financial Year	2021-22	Execution Level	PS
Executing Agency	Panchayat Samiti, Rairakhol	Proposal Date	-
Date of Commencement	01-08-2025	Date of Completion	06-08-2025
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	All Weather Connectivity
Project Sub-Category	Mettalling Road	Project Type	New Work
Name of Executant	Khirabdhi Tanaya Padhy		

Administrative Approval Details

Approval No.	OD/371/3565/121403/382340/00045456/AS
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Technical Sanction Details

Technical Sanction No.	OD/371/3565/121403/382340/00045456/TS
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	750000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	<p>Road Work (AR1341c) : Providing, laying, spreading and compacting Grading-II stone aggregates of specific sizes using moorum or gravel to water bound macadam - Providing, laying, spreading and compacting Grading-II 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	72	1644.35253315	70823.858736848
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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.	Cum	520	1030.8752801827	70823.858736848
3	Road Work (AR1307) : Supplying & spreading moorum and consolidation with HRR - Supplying & spreading moorum and consolidation with HRR 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.	Cum	72	983.66470467845	70823.858736848
Total Amount (in Rs.): 725272.38681865					

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<p>Road Work (AR1341c) : Providing, laying, spreading and compacting Grading-II stone aggregates of specific sizes using moorum or gravel to water bound macadam - Providing, laying, spreading and compacting Grading-II 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>	-	72	Cum
i	Un-Skilled	0.6944444444444444	50	-
ii	Skilled	0.0055555555555556	0.4	-
iii	Semi-Skilled	0.028	2.016	-

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>	-	520	Cum
i	Un-Skilled	1.1333922261484	589.36395759717	-
3	<p>Road Work (AR1307) : Supplying & spreading moorum and consolidation with HRR - Supplying & spreading moorum and consolidation with HRR 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>	-	72	Cum
i	Un-Skilled	1.0600706713781	76.325088339223	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	715.6890459364	462	330648.33922261

1	Skilled	0.4	562	224.8
2	Semi-Skilled	2.016	512	1032.192
Total: 331905.33122261				

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	Road Work (AR1341c) :.Providing, laying, spreading and compacting Grading-II stone aggregates of specific sizes using moorum or gravel to water bound macadam - Providing, laying, spreading and compacting Grading-II 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).	-	72	Cum
i)	BRMMR0037 : Cost of water	0.4	28.8	KL
ii)	BRM076 : I.R.C. Grade II (63mm. to 45mm.)	1.21	87.12	1 Cum.
iii)	BRM025 : Gravel or moorum	0.293305555555556	21.118	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.	-	520	Cum
i)	BRM025 : Gravel or moorum	0.89578798586572	465.80975265018	1 Cum
ii)	BRM029 : Sand for filling and road blinding	0.384	199.68	1 Cum
3	Road Work (AR1307) :.Supplying & spreading moorum and consolidation with HRR - Supplying & spreading moorum and consolidation with HRR 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.	-	72	Cum
i)	BRM025 : Gravel or moorum	1.28	92.16	1 Cum

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRMMR0037	28.8	KL	10	288
2	BRM076	87.12	1 Cum.	906.85	79004.772
3	BRM025	579.08775265018	1 Cum	338.01	195737.45127329
4	BRM029	199.68	1 Cum	346.01	69091.2768

ROYALTY STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<p>Road Work (AR1341c) :.Providing, laying, spreading and compacting Grading-II stone aggregates of specific sizes using moorum or gravel to water bound macadam - Providing, laying, spreading and compacting Grading-II 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>	-	72	Cum
i)	BRM025 : Gravel or moorum	0.293305555555556	21.118	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.	-	520	Cum
i)	BRM025 : Gravel or moorum	0.89578798586572	465.80975265018	1 Cum
ii)	BRM029 : Sand for filling and road blinding	0.384	199.68	1 Cum
3	Road Work (AR1307) :.Supplying & spreading moorum and consolidation with HRR - Supplying & spreading moorum and consolidation with HRR 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.	-	72	Cum
i)	BRM025 : Gravel or moorum	1.28	92.16	1 Cum

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM025	579.08775265018	1 Cum	40.25	23308.28204417
2	BRM029	199.68	1 Cum	40.25	8037.12

Total: 31345.40204417

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 0.5%	Rs. 3626.3619340932
2	Display Citizen Board @ Rs. 5000	Rs. 5000
3	Any Other Lumpsum @ 1%	Rs. 7252.7238681865
4	Provision for survey investigation and quality control @ Rs. 8848	Rs. 8848
Total Addition Component Amount (in Rs.): 24727.08580228		

Total Net Amount (in Rs.): 749999.47262093