

ESTIMATION DPR							
State	Odisha	District	Sambalpur	Block	Rengali	Gram Panchayat	Tabadabahal

Work Code	OD/371/3566/121423/381721/00026739 (Imp. of Road with CC/ Gr-II Metalling from Kadamunda Kata to School)						
Project Category	Road						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Rengali	Proposal Date	-
Date of Commencement	05-08-2025	Date of Completion	-
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Maintenance and improvement of Road infrastructure
Project Sub-Category	Mettalling Road	Project Type	Upgradation or Improvement
Name of Executant	Subhalaxmi Behera		

Administrative Approval Details

Approval No.	OD/371/3566/121423/381721/00026739/AS
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Technical Sanction Details

Technical Sanction No.	OD/371/3566/121423/381721/00026739/TS
Fund Sanction No.	1130
Fund Sanction Amount (in Rs.)	784512

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	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	195.952256	983.66470467845	343287.2082144
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2	<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	112.134528	2033.9002821111	343287.2082144
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3	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	333.005568	1030.8752801827	343287.2082144
Total Amount (in Rs.): 764108.97437731					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	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.	-	195.952256	Cum

	i	Un-Skilled	1.0600706713781	207.72323957597	-
2		<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>	-	112.134528	Cum
	i	Un-Skilled	0.694444444444444	77.8712	-
	ii	Skilled	0.00555555555555556	0.6229696	-
	iii	Semi-Skilled	0.028	3.139766784	-

3	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.	-	333.005568	Cum
i	Un-Skilled	1.1333922261484	377.42592203534	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	663.02036161131	462	306315.40706442
1	Skilled	0.6229696	562	350.1089152
2	Semi-Skilled	3.139766784	512	1607.560593408
Total: 308273.07657303				

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	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.	-	195.952256	Cum
i)	BRM025 : Gravel or moorum	1.28	250.81888768	1 Cum
2	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).	-	112.134528	Cum
i)	BRMMR0037 : Cost of water	0.4	44.8538112	KL
ii)	BRM025 : Gravel or moorum	0.3	33.6403584	1 Cum
iii)	BRM075 : I.R.C. Grade I (90mm-45 mm.)	1.21	135.68277888	1 Cum.

3	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.	-	333.005568	Cum
i)	BRM025 : Gravel or moorum	0.89578798586572	298.30238704079	1 Cum
ii)	BRM029 : Sand for filling and road blinding	0.384	127.874138112	1 Cum

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM025	582.76163312079	1 Cum	338.01	196979.25961116
2	BRMMR0037	44.8538112	KL	10	448.538112
3	BRM075	135.68277888	1 Cum.	1074.01	145724.66134491
4	BRM029	127.874138112	1 Cum	346.01	44245.730528133
Total: 387398.1895962					

ROYALTY STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	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.	-	195.952256	Cum
i)	BRM025 : Gravel or moorum	1.28	250.81888768	1 Cum
2	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).	-	112.134528	Cum
i)	BRM025 : Gravel or moorum	0.3	33.6403584	1 Cum
ii)	BRM075 : I.R.C. Grade I (90mm-45 mm.)	1.21	135.68277888	1 Cum.

3	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.	-	333.005568	Cum
i)	BRM025 : Gravel or moorum	0.89578798586572	298.30238704079	1 Cum
ii)	BRM029 : Sand for filling and road blinding	0.384	127.874138112	1 Cum

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM025	582.76163312079	1 Cum	40.25	23456.155733112
2	BRM075	135.68277888	1 Cum.	149.5	20284.57544256
3	BRM029	127.874138112	1 Cum	40.25	5146.934059008
Total: 48887.66523468					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 7845	Rs. 7845
2	Display Citizen Board @ Rs. 4713	Rs. 4713
3	Provision for survey investigation and quality control @ Rs. 7845	Rs. 7845
Total Addition Component Amount (in Rs.): 20403		

Total Net Amount (in Rs.): 784511.97437731