

ESTIMATION DPR							
State	Odisha	District	Malkangiri	Block	Malkangiri	Gram Panchayat	Pedakunda

Work Code	OD/364/3484/120001/430173/00063765 (Improvement of road at Kenduguda)						
Project Category	Road						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Malkangiri	Proposal Date	-
Date of Commencement	-	Date of Completion	
Scheme Name	Chief Minister Special Assistant	Scheme Component Name	Chief Minister Special Assistance (CM-SA)
Project Sub-Category	Mettalling Road	Project Type	Upgradation or Improvement
Name of Executant			

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	400000

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;">Road Work (AR1307) : Supplying & spreading moorum and consolidation with HRR -</p> <p>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>	Cum	157.5	1072.8420486784	168972.62266685
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2	<p style="text-align: center;">Special items for irrigation works (AR0201) :</p> <p>Excavation of any approved type of soil in an approved borrow area by mechanical means loading into and transportation by mechanical means and unloading the soil within an initial lead of 1km -</p> <p>Excavation of any approved type of soil in an approved borrow area by mechanical means loading into and transportation by mechanical means and unloading the soil within an initial lead of 1km on a properly prepared and scientifically approved surface including spreading and leveling the earth in 22.5 cm layers to make ready for watering and compaction with sheep foot rollers and dozers but excluding watering and compaction in dams and dykes for all heights including construction, maintenance, watering and lighting of haul road and borrow area, etc. complete as per the direction of Engineer-in charge. (measurement of the fill to be taken on the finished compacted section under OMC condition).</p>	Cum	121.5	56.56	6872.04
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3	<p style="text-align: center;">Road Work (AR1341a) : Providing, laying, spreading and compacting Grading-I stone aggregates of specific sizes using moorum or gravel to water bound macadam -</p> <p>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	92.25	2283.7005521111	210671.37593225
4	<p style="text-align: center;">Road Work (AR1304) : Flank dressing to proper camber and as per direction of Engineer-in-charge. -</p> <p>Flank dressing to proper camber and as per direction of Engineer-in-charge.</p>	Sqm	1057.5	6.0209032258065	6367.1051612904
Total Amount (in Rs.): 392883.14376039					

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.	-	157.5	Cum
i	Un-Skilled	1.0600706713781	166.96113074205	-

2	<p>Special items for irrigation works (AR0201) : Excavation of any approved type of soil in an approved borrow area by mechanical means loading into and transportation by mechanical means and unloading the soil within an initial lead of 1km - Excavation of any approved type of soil in an approved borrow area by mechanical means loading into and transportation by mechanical means and unloading the soil within an initial lead of 1km on a properly prepared and scientifically approved surface including spreading and leveling the earth in 22.5 cm layers to make ready for watering and compaction with sheep foot rollers and dozers but excluding watering and compaction in dams and dykes for all heights including construction, maintenance, watering and lighting of haul road and borrow area, etc. complete as per the direction of Engineer-in charge. (measurement of the fill to be taken on the finished compacted section under OMC condition).</p>	-	121.5	Cum
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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).	-	92.25	Cum
i	Un-Skilled	0.6944444444444444	64.0625	-
ii	Skilled	0.0055555555555556	0.5125	-
iii	Semi-Skilled	0.028	2.583	-
4	Road Work (AR1304) : Flank dressing to proper camber and as per direction of Engineer-in-charge. - Flank dressing to proper camber and as per direction of Engineer-in-charge.	-	1057.5	Sqm

i	Un-Skilled	0.012903225806452	13.645161290323	-
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Sl.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	244.66879203237	462	113036.98191896
2	Skilled	0.5125	562	288.025
3	Semi-Skilled	2.583	512	1322.496
				Total: 114647.50291896

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement 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.	-	157.5	Cum
i)	BRM025 : Gravel or moorum	1.28	201.6	1 Cum

2	<p>Special items for irrigation works(AR0201) .Excavation of any approved type of soil in an approved borrow area by mechanical means loading into and transportation by mechanical means and unloading the soil within an initial lead of 1km - Excavation of any approved type of soil in an approved borrow area by mechanical means loading into and transportation by mechanical means and unloading the soil within an initial lead of 1km on a properly prepared and scientifically approved surface including spreading and leveling the earth in 22.5 cm layers to make ready for watering and compaction with sheep foot rollers and dozers but excluding watering and compaction in dams and dykes for all heights including construction, maintenance, watering and lighting of haul road and borrow area, etc. complete as per the direction of Engineer-in charge. (measurement of the fill to be taken on the finished compacted section under OMC condition).</p>	-	121.5	Cum
i)	<p>BRMMR0101 : Cost of mechanical excavation per cum without supervision charge for item AR0201</p>	1	121.5	Cum
ii)	<p>BRMMR0103 : cost of transportation of loose earth within the initial lead of 1 km, excluding supervision charges-AR0201</p>	1	121.5	Cum
iii)	<p>BRMMR0060 : Add construction and maintenance of haul road (L.S.)</p>	1	121.5	Cum

iv)	BRMMR0106 : Add for spreading of earth - AR0201	1	121.5	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).	-	92.25	Cum
i)	BRMMR0037 : Cost of water	0.4	36.9	KL
ii)	BRM025 : Gravel or moorum	0.3	27.675	1 Cum
iii)	BRM075 : I.R.C. Grade I (90mm-45 mm.)	1.21	111.6225	1 Cum.
4	Road Work (AR1304) :.Flank dressing to proper camber and as per direction of Engineer-in-charge. - Flank dressing to proper camber and as per direction of Engineer-in-charge.	-	1057.5	Sqm

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM025	229.275	1 Cum	406.99	93312.63225
2	BRMMR0101	121.5	Cum	21.51	2613.465
3	BRMMR0103	121.5	Cum	28.99	3522.285

4	BRMMR0060	121.5	Cum	1.5	182.25
5	BRMMR0106	121.5	Cum	4	486
6	BRMMR0037	36.9	KL	10	369
7	BRM075	111.6225	1 Cum.	1261.31	140790.575475
Total: 241276.207725					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM025	229.275	1 Cum	40.25	9228.31875
2	BRM075	111.6225	1 Cum.	149.5	16687.56375
Total: 25915.8825					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 3928.8314376039
2	Display Citizen Board @ Rs. 3188	Rs. 3188
Total Addition Component Amount (in Rs.): 7116.8314376039		

Total Net Amount (in Rs.): 399999.97519799