

ESTIMATION DPR							
State	Odisha	District	Jagatsinghpur	Block	Jagatsinghpur	Gram Panchayat	Jasobasantapur

Work Code	OD/355/3389/118123/397963/00013736 (Metal-Murum/Crush Dust Road from Benukhanda Patra sahi to Ray sahi (Via Bangali sahi))						
Project Category	Road						

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Jagatsinghpur	Proposal Date	11-02-2024
Date of Commencement	-	Date of Completion	
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	All Weather Connectivity
Project Sub-Category	CC Road	Project Type	New Work
Name of Executant			

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	OD/355/3389/118123/397963/00013736/TS
Fund Sanction No.	11827
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;">Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift - Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge</p>	Cum	79.1475	240.77592	19056.8121282
2	<p style="text-align: center;">Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed - Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T & P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	52.765	544.049832	28706.78938548

3	<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	52.765	2452.4794246784	129405.07684316
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4	<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	52.765	4013.2013221111	211756.56776119
5	<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	527.65	6.0209032258065	3176.9295870968
Total Amount (in Rs.): 392102.17570512					

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<p>Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift - Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge</p>	-	79.1475	Cum
i	Un-Skilled	0.516	40.84011	-
2	<p>Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed - Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T & P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	52.765	Cum
i	Un-Skilled	0.1236	6.521754	-

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.	-	52.765	Cum
i	Un-Skilled	1.0600706713781	55.934628975265	-
4	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).	-	52.765	Cum
i	Un-Skilled	0.694444444444444	36.6423611111111	-

	ii	Skilled	0.0055555555555556	0.29313888888889	-
	iii	Semi-Skilled	0.028	1.47742	-
5		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.	-	527.65	Sqm
	i	Un-Skilled	0.012903225806452	6.8083870967742	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	146.74724118315	462	67797.225426615
2	Skilled	0.29313888888889	562	164.74405555556
3	Semi-Skilled	1.47742	512	756.43904
Total: 68718.408522171				

MATERIAL 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 (AR0102aa) :.Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift - Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge</p>	-	79.1475	Cum
2	<p>Earth Work (AR0115) :.Filling foundation and plinth with sand well watered and rammed - Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T & P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	52.765	Cum
i)	<p>BRM029 : Sand for filling and road blinding</p>	1	52.765	1 Cum
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>	-	52.765	Cum
i)	<p>BRM025 : Gravel or moorum</p>	1.28	67.5392	1 Cum

4	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).	-		52.765	Cum
i)	BRMMR0037 : Cost of water	0.4		21.106	KL
ii)	BRM025 : Gravel or moorum	0.3		15.8295	1 Cum
iii)	BRM075 : I.R.C. Grade I (90mm-45 mm.)	1.21		63.84565	1 Cum.
5	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.	-		527.65	Sqm

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	52.765	1 Cum	404.31	21333.41715
2	BRM025	83.3687	1 Cum	1383.16	115312.251092
3	BRMMR0037	21.106	KL	10	211.06
4	BRM075	63.84565	1 Cum.	2116.91	135155.4949415
Total: 272012.2231835					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	52.765	1 Cum	77.25	4076.09625
2	BRM025	83.3687	1 Cum	131.25	10942.141875
3	BRM075	63.84565	1 Cum.	444.5	28379.391425
					Total: 43397.62955

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 4000	Rs. 4000
2	Display Citizen Board @ Rs. 3000	Rs. 3000
3	Any Other Lumpsum @ Rs. 897	Rs. 897
		Total Addition Component Amount (in Rs.): 7897

Total Net Amount (in Rs.): 399999.17570512