

ESTIMATION DPR							
State	Odisha	District	Khordha	Block	Bhubaneswar	Gram Panchayat	Daruthenga

Work Code	OD/362/3460/119603/407462/00013194 (Krushna Nagar main road to Bhutanath Mandira CC road)
Project Category	Road

Financial Year	2021-22	Execution Level	PS
Executing Agency	Panchayat Samiti, Bhubaneswar	Proposal Date	-
Date of Commencement	31-05-2025	Date of Completion	14-10-2025
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Maintenance and improvement of Road infrastructure
Project Sub-Category	CC Road	Project Type	New Work
Name of Executant	Suchismita Mohanty		

Administrative Approval Details

Approval No.	OD/362/3460/119603/407462/00013194/AS
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Technical Sanction Details

Technical Sanction No.	OD/362/3460/119603/407462/00013194/TS
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	145000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	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	Cum	2.197525264	240.77592	61292.461146888
2	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.	Cum	7.9428624	502.629732	61292.461146888

3	Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete as per specificaion and direction of Engineer-in charge.	Cum	10.484578368	7343.9698225	61292.461146888
4	Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal - Cement concrete (1:3:6) with 4 cm. hard granite(Crusher Broken) metal including laying in layers not exceeding 300 mm in depth, ramming, compacting to proper thickness, watering and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge.	Cum	10.484578368	5845.9633755	61292.461146888
Total Amount (in Rs.): 142812.3182497					

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	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	-	2.197525264	Cum
i	Un-Skilled	0.516	1.133923036224	-
2	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.	-	7.9428624	Cum
i	Un-Skilled	0.1236	0.98173779264	-

3	Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete as per specificaion and direction of Engineer-in charge.	-	10.484578368	Cum
i	Un-Skilled	4.6	48.2290604928	-
ii	Skilled	0.68	7.12951329024	-
4	Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal - Cement concrete (1:3:6) with 4 cm. hard granite(Crusher Broken) metal including laying in layers not exceeding 300 mm in depth, ramming, compacting to proper thickness, watering and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge.	-	10.484578368	Cum
i	Skilled	0.18	1.88722410624	-

ii	Un-Skilled	3.9	40.8898556352	-
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Sl.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	91.234576956864	462	42150.374554071
1	Skilled	9.01673739648	562	5067.4064168218
				Total: 47217.780970893

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	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	-	2.197525264	Cum
2	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.	-	7.9428624	Cum
i)	BRM029 : Sand for filling and road blinding	1	7.9428624	1 Cum

3	Concrete (AR0307) :.Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete as per specificaion and direction of Engineer-in charge.	-	10.484578368	Cum
i)	BRM340 : Cement	3.23	33.86518812864	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	4.7180602656	1 Cum
iii)	BRM056 : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)	0.9	9.4361205312	1 Cum.
4	Concrete (AR0303) :.Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal - Cement concrete (1:3:6) with 4 cm. hard granite(Crusher Broken) metal including laying in layers not exceeding 300 mm in depth, ramming, compacting to proper thickness, watering and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge.	-	10.484578368	Cum
i)	BRM340 : Cement	2.29	24.00968446272	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	5.03259761664	1 Cum

iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	10.06519523328	1 Cum.
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Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	7.9428624	1 Cum	397.3	3155.69923152
2	BRM340	57.87487259136	1 Qntl.	569.387	32953.200080177
3	BRM028	9.75065788224	1 Cum	403.69	3936.2430804815
4	BRM056	9.4361205312	1 Cum.	2169.52	20471.852214849
5	BRM044	10.06519523328	1 Cum.	1792.06	18037.433769752

Total: 78554.428376779

ROYALTY STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	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	-	2.197525264	Cum
2	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.	-	7.9428624	Cum
i)	BRM029 : Sand for filling and road blinding	1	7.9428624	1 Cum

3	Concrete (AR0307) :.Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete as per specificaion and direction of Engineer-in charge.	-	10.484578368	Cum
i)	BRM340 : Cement	3.23	33.86518812864	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	4.7180602656	1 Cum
iii)	BRM056 : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)	0.9	9.4361205312	1 Cum.
4	Concrete (AR0303) :.Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal - Cement concrete (1:3:6) with 4 cm. hard granite(Crusher Broken) metal including laying in layers not exceeding 300 mm in depth, ramming, compacting to proper thickness, watering and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge.	-	10.484578368	Cum
i)	BRM340 : Cement	2.29	24.00968446272	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	5.03259761664	1 Cum

iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	10.06519523328	1 Cum.
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S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	7.9428624	1 Cum	43.25	343.5287988
2	BRM028	9.75065788224	1 Cum	43.25	421.71595340688
3	BRM056	9.4361205312	1 Cum.	309.5	2920.4793044064
4	BRM044	10.06519523328	1 Cum.	309.5	3115.1779247002
					Total: 6800.9019813134

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 1450	Rs. 1450
2	Display Citizen Board @ Rs. 737.5	Rs. 737.5
		Total Addition Component Amount (in Rs.): 2187.5

Total Net Amount (in Rs.): 144999.8182497