

ESTIMATION DPR							
State	Odisha	District	Kandhamal	Block	Tikabali	Gram Panchayat	Gardingia

Work Code	OD/359/3432/119002/415980/00049190 (IMPROVEMENT OF ROAD AT ABENSORA ABASAH MANDAGUDA)						
Project Category	Road						

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Tikabali	Proposal Date	-
Date of Commencement	06-04-2026	Date of Completion	-
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Maintenance and improvement of Road infrastructure
Project Sub-Category	CC Road	Project Type	Upgradation or Improvement
Name of Executant	BHAJARAM BEHERA		

Administrative Approval Details

Approval No.	OD/359/3432/119002/415980/00049190/AS
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Technical Sanction Details

Technical Sanction No.	OD/359/3432/119002/415980/00049190/TS
Fund Sanction No.	1990
Fund Sanction Amount (in Rs.)	201457

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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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>	Cum	3.275436537152	240.77592	8273.4003257654
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>	Cum	14.18584747424	570.107832	8273.4003257654

3	<p>Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hard Broken) metal - Cement concrete (1:3:6) with 4 cm. hard granite(Hard 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.</p>	Cum	18.276460121088	5256.94555994	8273.4003257654
4	<p>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 specifcaion and direction of Engineer-in charge.</p>	Cum	11.043552	7497.03131078	8273.4003257654

5	R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc	Sqm	38.26117152	216.23489289764	8273.4003257654
Total Amount (in Rs.): 196021.72033122					

LABOUR STATEMENT

SI.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	-	3.275436537152	Cum
i	Un-Skilled	0.516	1.6901252531704	-

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>	-	14.18584747424	Cum
i	Un-Skilled	0.1236	1.7533707478161	-
3	<p>Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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.</p>	-	18.276460121088	Cum
i	Un-Skilled	3.9	71.278194472243	-
ii	Skilled	0.18	3.2897628217958	-

4	<p>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 specifaion and direction of Engineer-in charge.</p>	-	11.043552	Cum
i	Un-Skilled	4.6	50.8003392	-
ii	Skilled	0.68	7.50961536	-
5	<p>R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc</p>	-	38.26117152	Sqm
i	Semi-Skilled	0.05	1.913058576	-
ii	Skilled	0.05	1.913058576	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	125.52202967323	462	57991.177709032
1	Skilled	12.712436757796	562	7144.3894578813
2	Semi-Skilled	1.913058576	512	979.485990912
Total: 66115.053157825				

MATERIAL STATEMENT

SI.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	-	3.275436537152	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.	-	14.18584747424	Cum
i)	BRM029 : Sand for filling and road blinding	1	14.18584747424	1 Cum

3	<p>Concrete (AR0303a) :.Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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.</p>	-	18.276460121088	Cum
i)	BRM340 : Cement	2.29	41.853093677292	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	8.7727008581222	1 Cum
iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	17.545401716244	1 Cum.
4	<p>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 specifaion and direction of Engineer-in charge.</p>	-	11.043552	Cum
i)	BRM340 : Cement	3.23	35.67067296	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	4.9695984	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	9.9391968	1 Cum.
5	R.C.C. Work (AR0410c) :-R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc	-	38.26117152	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.1021573279584	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	4.82090761152	1Mtr.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	14.18584747424	1 Cum	411.11	5831.9437551348
2	BRM340	77.523766637292	1 Qntl.	614.797	47661.379157307
3	BRM028	13.742299258122	1 Cum	483.09	6638.7673486063
4	BRM045	17.545401716244	1 Cum.	1193.57	20941.665126458
5	BRM056	9.9391968	1 Cum.	2350.53	23362.380254304
6	BRM104	0.1021573279584	1Cum.	58573.086	5983.6699560376
7	BRM092	4.82090761152	1Mtr.	229.106	1104.4988592449
Total: 111524.30445709					

ROYALTY 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>	-	3.275436537152	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>	-	14.18584747424	Cum
i)	<p>BRM029 : Sand for filling and road blinding</p>	1	14.18584747424	1 Cum
3	<p>Concrete (AR0303a) :.Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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.</p>	-	18.276460121088	Cum
i)	<p>BRM340 : Cement</p>	2.29	41.853093677292	1 Qntl.
ii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.48	8.7727008581222	1 Cum

iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	17.545401716244	1 Cum.
4	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.	-	11.043552	Cum
i)	BRM340 : Cement	3.23	35.67067296	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	4.9695984	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	9.9391968	1 Cum.
5	R.C.C. Work (AR0410c) :.R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc	-	38.26117152	Sqm

i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.1021573279584	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.000614	0.02349235931328	1Mtr.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	14.18584747424	1 Cum	96.25	1365.3878193956
2	BRM028	13.742299258122	1 Cum	100.25	1377.6655006268
3	BRM045	17.545401716244	1 Cum.	239.5	4202.1237110406
4	BRM056	9.9391968	1 Cum.	239.5	2380.4376336
Total: 9325.6146646629					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 2435	Rs. 2435
2	Display Citizen Board @ Rs. 3000	Rs. 3000
Total Addition Component Amount (in Rs.): 5435		

Total Net Amount (in Rs.): 201456.72033122