

ESTIMATION DPR							
State	Odisha	District	Mayurbhanj	Block	Joshipur	Gram Panchayat	Maudi

Work Code	OD/365/3496/120186/388505/00051279 (IMPROVEMENT OF ROAD FROM ITAMUNDI TO MAHULPADA VILLAGE)						
Project Category	Road						

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Joshipur	Proposal Date	-
Date of Commencement	17-01-2026	Date of Completion	-
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	All Weather Connectivity
Project Sub-Category	CC Road	Project Type	Upgradation or Improvement
Name of Executant	TAPAN KUMAR NAIK		

Administrative Approval Details

Approval No.	OD/365/3496/120186/388505/00051279/AS
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Technical Sanction Details

Technical Sanction No.	OD/365/3496/120186/388505/00051279/TS
Fund Sanction No.	34188
Fund Sanction Amount (in Rs.)	376060

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	6.72	240.77592	10928.511487047
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	23.04	1392.480132	10928.511487047

3	<p>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.</p>	Cum	29.76	6329.3350638	10928.511487047
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	17.28	7860.6398776	10928.511487047

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	50.54	216.23489289764	10928.511487047
Total Amount (in Rs.): 368822.13649434					

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	-	6.72	Cum
i	Un-Skilled	0.516	3.46752	-

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.	-	23.04	Cum
i	Un-Skilled	0.1236	2.847744	-
3	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.	-	29.76	Cum
i	Skilled	0.18	5.3568	-
ii	Un-Skilled	3.9	116.064	-

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>	-	17.28	Cum
i	Un-Skilled	4.6	79.488	-
ii	Skilled	0.68	11.7504	-
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>	-	50.54	Sqm
i	Semi-Skilled	0.05	2.527	-
ii	Skilled	0.05	2.527	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	201.867264	462	93262.675968
1	Skilled	19.6342	562	11034.4204
2	Semi-Skilled	2.527	512	1293.824
Total: 105590.920368				

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	-	6.72	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.	-	23.04	Cum
i)	BRM029 : Sand for filling and road blinding	1	23.04	1 Cum

3	<p>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.</p>	-	29.76	Cum
i)	BRM340 : Cement	2.29	68.1504	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	14.2848	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	28.5696	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 specificaion and direction of Engineer-in charge.</p>	-	17.28	Cum
i)	BRM340 : Cement	3.23	55.8144	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	7.776	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	15.552	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	-	50.54	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.1349418	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	6.36804	1Mtr.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	23.04	1 Cum	922.34	21250.7136
2	BRM340	123.9648	1 Qntl.	650.622	80654.2261056
3	BRM028	22.0608	1 Cum	928.76	20489.188608
4	BRM044	28.5696	1 Cum.	1726.96	49338.556416
5	BRM056	15.552	1 Cum.	2128.33	33099.78816
6	BRM104	0.1349418	1Cum.	58573.086	7903.9576563948
7	BRM092	6.36804	1Mtr.	229.106	1458.95617224
Total: 214195.38671823					

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>	-	6.72	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>	-	23.04	Cum
i)	BRM029 : Sand for filling and road blinding	1	23.04	1 Cum
3	<p>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.</p>	-	29.76	Cum
i)	BRM340 : Cement	2.29	68.1504	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	14.2848	1 Cum

iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	28.5696	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.	-	17.28	Cum
i)	BRM340 : Cement	3.23	55.8144	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	7.776	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	15.552	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	-	50.54	Sqm

i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.1349418	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.000614	0.03103156	1Mtr.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	23.04	1 Cum	399.25	9198.72
2	BRM028	22.0608	1 Cum	399.25	8807.7744
3	BRM044	28.5696	1 Cum.	341.5	9756.5184
4	BRM056	15.552	1 Cum.	341.5	5311.008
Total: 33074.0208					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 3760	Rs. 3760
2	Display Citizen Board @ Rs. 3000	Rs. 3000
3	Any Other Lumpsum @ Rs. 477.86	Rs. 477.86
Total Addition Component Amount (in Rs.): 7237.86		

Total Net Amount (in Rs.): 376059.99649434