

ESTIMATION DPR							
State	Odisha	District	Gajapati	Block	Nuagada	Gram Panchayat	Luhangar

Work Code	OD/353/3361/117527/414202/00039200 (Improvement of road from Tarmangada to udasing via Muri)						
Project Category	Road						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Nuagada	Proposal Date	-
Date of Commencement	23-07-2025	Date of Completion	01-08-2025
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	Amit Digal		

Administrative Approval Details

Approval No.	OD/353/3361/117527/414202/00039200/AS
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Technical Sanction Details

Technical Sanction No.	OD/353/3361/117527/414202/00039200/TS
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	150000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	<p>Earth Work (AR0103a) : Earth work in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume within 50m. Initial lead and 1.5m initial lift - Earth work in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layer not exceeding 0.3m in depth and as per specification approved by the department</p>	Cum	13.7193	312.915372	16499.556684677
2	<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>	Cum	9.8868	6146.4422943	16499.556684677

3	<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>	Cum	7.665	8509.2597061	16499.556684677
4	<p>R.C.C. Work (AR0410L) : Rigid and smooth centering and shuttering for R.C.C. works (R.C.C. beams for bridges upto 15m span and height upto 5m) - 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. beams for bridges upto 15m span and height upto 5m)</p>	Sqm	12.6	1309.488625768	16499.556684677
Total Amount (in Rs.): 146784.6578703					

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<p>Earth Work (AR0103a) : Earth work in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume within 50m. Initial lead and 1.5m initial lift - Earth work in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layer not exceeding 0.3m in depth and as per specification approved by the department</p>	-	13.7193	Cum
i	Un-Skilled	0.6706	9.20016258	-
2	<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>	-	9.8868	Cum
i	Un-Skilled	3.9	38.55852	-

	ii	Skilled	0.18	1.779624	-
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.	-	7.665	Cum
	i	Un-Skilled	4.6	35.259	-
	ii	Skilled	0.68	5.2122	-
4		R.C.C. Work (AR0410L) : Rigid and smooth centering and shuttering for R.C.C. works (R.C.C. beams for bridges upto 15m span and height upto 5m) - 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. beams for bridges upto 15m span and height upto 5m)	-	12.6	Sqm
	i	Skilled	0.81845238095238	10.3125	-

ii	Semi-Skilled	0.81845238095238	10.3125	-
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SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	83.01768258	462	38354.16935196
1	Skilled	17.304324	562	9725.030088
2	Semi-Skilled	10.3125	512	5280
Total:				53359.19943996

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<p>Earth Work (AR0103a) :-Earth work in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume within 50m. Initial lead and 1.5m initial lift - Earth work in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layer not exceeding 0.3m in depth and as per specification approved by the department</p>	-	13.7193	Cum

2	<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>	-	9.8868	Cum
i)	BRM340 : Cement	2.29	22.640772	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	4.745664	1 Cum
iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	9.491328	1 Cum.
3	<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>	-	7.665	Cum
i)	BRM340 : Cement	3.23	24.75795	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	3.44925	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	6.8985	1 Cum.
4	R.C.C. Work (AR0410L) :.Rigid and smooth centering and shuttering for R.C.C. works (R.C.C. beams for bridges upto 15m span and height upto 5m) - 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. beams for bridges upto 15m span and height upto 5m)	-	12.6	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0064880952380952	0.08175	1Cum.
ii)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.69047619047619	8.7	1Mtr

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM340	47.398722	1 Qntl.	801.567	37993.251397374
2	BRM028	8.194914	1 Cum	808.59	6626.32551126
3	BRM045	9.491328	1 Cum.	1128.47	10710.67890816
4	BRM056	6.8985	1 Cum.	2128.33	14682.284505
5	BRM104	0.08175	1Cum.	58592.11	4789.9049925
6	BRM084	8.7	1Mtr	269.19	2341.953
Total: 77144.398314294					

ROYALTY STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	<p>Earth Work (AR0103a) :.Earth work in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume within 50m. Initial lead and 1.5m initial lift - Earth work in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layer not exceeding 0.3m in depth and as per specification approved by the department</p>	-	13.7193	Cum
2	<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>	-	9.8868	Cum
i)	BRM340 : Cement	2.29	22.640772	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	4.745664	1 Cum
iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	9.491328	1 Cum.

3	<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>	-	7.665	Cum
i)	BRM340 : Cement	3.23	24.75795	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	3.44925	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	6.8985	1 Cum.
4	<p>R.C.C. Work (AR0410L) :.Rigid and smooth centering and shuttering for R.C.C. works (R.C.C. beams for bridges upto 15m span and height upto 5m) - 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. beams for bridges upto 15m span and height upto 5m)</p>	-	12.6	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0064880952380952	0.08175	1Cum.
ii)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.0070833095238095	0.0892497	1Mtr

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	8.194914	1 Cum	279.25	2288.4297345
2	BRM045	9.491328	1 Cum.	269.5	2557.912896
3	BRM056	6.8985	1 Cum.	269.5	1859.14575
Total: 6705.4883805					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 1467.846578703
2	Display Citizen Board @ Rs. 300	Rs. 300
3	Any Other Lumpsum @ Rs. 947	Rs. 947
4	Provision for survey investigation and quality control @ Rs. 500	Rs. 500
Total Addition Component Amount (in Rs.): 3214.846578703		

Total Net Amount (in Rs.): 149999.504449