

ESTIMATION DPR							
State	Odisha	District	Jagatsinghpur	Block	Erasama	Gram Panchayat	Nuadihi

Work Code	OD/355/3388/118109/397334/00064987 (Improvement of road from 13th C Canal Mahimadeipur Chhak to Madhuaganda Bridge)						
Project Category	Road						

Financial Year	2020-21	Execution Level	PS
Executing Agency	Panchayat Samiti, Erasama	Proposal Date	-
Date of Commencement	20-11-2025	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	Susanta Kumar Nanda		

Administrative Approval Details

Approval No.	OD/355/3388/118109/397334/00064987/AS
--------------	---------------------------------------

Technical Sanction Details

Technical Sanction No.	OD/355/3388/118109/397334/00064987/TS
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	137025

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
-----	----------------	------	----------	---------------------	----------------

1	<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	1.0831176	6745.97242418	125613.29706566
2	<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>	Sqm	9.5039769	216.23489289764	125613.29706566

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	15.306363072	8206.60639466	125613.29706566
Total Amount (in Rs.): 134975.06995448					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Meaurement Qty)	Unit
1	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.	-	1.0831176	Cum

	i	Skilled	0.18	0.194961168	-
	ii	Un-Skilled	3.9	4.22415864	-
2		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	-	9.5039769	Sqm
	i	Semi-Skilled	0.05	0.475198845	-
	ii	Skilled	0.05	0.475198845	-
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 specifaion and direction of Engineer-in charge.	-	15.306363072	Cum

i	Un-Skilled	4.6	70.4092701312	-
ii	Skilled	0.68	10.40832688896	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Skilled	11.07848690196	562	6226.1096389015
1	Un-Skilled	74.6334287712	462	34480.644092294
2	Semi-Skilled	0.475198845	512	243.30180864
Total: 40950.055539836				

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	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.	-	1.0831176	Cum
i)	BRM340 : Cement	2.29	2.480339304	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	0.519896448	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1.039792896	1 Cum.

2	<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>	-	9.5039769	Sqm
i)	<p>BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)</p>	0.00267	0.025375618323	1Cum.
ii)	<p>BRM092 : Non-sal bullahs 75mm. mean dia of any length.</p>	0.126	1.1975010894	1Mtr.
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>	-	15.306363072	Cum
i)	<p>BRM340 : Cement</p>	3.23	49.43955272256	1 Qntl.
ii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.45	6.8878633824	1 Cum
iii)	<p>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)</p>	0.9	13.7757267648	1 Cum.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM340	51.91989202656	1 Qntl.	613.327	31843.871616974
2	BRM028	7.4077598304	1 Cum	790.4	5855.0933699482
3	BRM044	1.039792896	1 Cum.	2547.16	2648.5188729754
4	BRM104	0.025375618323	1Cum.	58573.086	1486.3282743363
5	BRM092	1.1975010894	1Mtr.	229.106	274.35468458808
6	BRM056	13.7757267648	1 Cum.	2948.53	40618.143637816
Total: 82726.310456638					

ROYALTY STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	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.	-	1.0831176	Cum
i)	BRM340 : Cement	2.29	2.480339304	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	0.519896448	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1.039792896	1 Cum.

2	<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>	-	9.5039769	Sqm
i)	<p>BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)</p>	0.00267	0.025375618323	1Cum.
ii)	<p>BRM092 : Non-sal bullahs 75mm. mean dia of any length.</p>	0.000614	0.0058354418166	1Mtr.
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>	-	15.306363072	Cum
i)	<p>BRM340 : Cement</p>	3.23	49.43955272256	1 Qntl.
ii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.45	6.8878633824	1 Cum
iii)	<p>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)</p>	0.9	13.7757267648	1 Cum.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	7.4077598304	1 Cum	75.25	557.4339272376
2	BRM044	1.039792896	1 Cum.	279.5	290.622114432
3	BRM056	13.7757267648	1 Cum.	279.5	3850.3156307616
Total: 4698.3716724312					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 1370	Rs. 1370
2	Display Citizen Board @ Rs. 679	Rs. 679
Total Addition Component Amount (in Rs.): 2049		

Total Net Amount (in Rs.): 137024.06995448