

ESTIMATION DPR							
State	Odisha	District	Balasore	Block	Basta	Gram Panchayat	Natakata

Work Code	OD/346/3301/116130/392386/00065285 (CONSTRUCTION OF CC ROAD FROM MAHALSAHI TO BENUDHAR BHADRA HOUSE)
Project Category	Road

Financial Year	2021-22	Execution Level	PS
Executing Agency	Panchayat Samiti, Basta	Proposal Date	08-06-2021
Date of Commencement	25-11-2025	Date of Completion	15-12-2025
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	BHAGYALAXMI MOHANTA		

Administrative Approval Details

Approval No.	OD/346/3301/116130/392386/00065285/AS
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Technical Sanction Details

Technical Sanction No.	OD/346/3301/116130/392386/00065285/TS
Fund Sanction No.	9114
Fund Sanction Amount (in Rs.)	300000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	Earth Work (AR0101a1) : Earthwork in ordinary soil within 50m to 75m lead and 1.5m, initial lift - Earthwork in ordinary soil within 50m to 75m 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 direction of the Engineer-in-charge.	Cum	4.24752	163.317	7955.1926209283
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	15.3760224	1151.302232	7955.1926209283

3	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.	Cum	22.4269056	6455.00289374	7955.1926209283
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.	Cum	14.7813696	8036.28047138	7955.1926209283

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	36.789588	216.23489289764	7955.1926209283
Total Amount (in Rs.): 289904.30615553					

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Meaurement Qty)	Unit
1	Earth Work (AR0101a1) : Earthwork in ordinary soil within 50m to 75m lead and 1.5m, initial lift - Earthwork in ordinary soil within 50m to 75m 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 direction of the Engineer-in-charge.	-	4.24752	Cum
i	Un-Skilled	0.35	1.486632	-

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.	-	15.3760224	Cum
i	Un-Skilled	0.1236	1.90047636864	-
3	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.	-	22.4269056	Cum
i	Un-Skilled	3.9	87.46493184	-
ii	Skilled	0.18	4.036843008	-

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.	-	14.7813696	Cum
i	Un-Skilled	4.6	67.99430016	-
ii	Skilled	0.68	10.051331328	-
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	-	36.789588	Sqm
i	Semi-Skilled	0.05	1.8394794	-
ii	Skilled	0.05	1.8394794	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	158.84634036864	462	73387.009250312
1	Skilled	15.927653736	562	8951.341399632
2	Semi-Skilled	1.8394794	512	941.8134528
				Total: 83280.164102744

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	Earth Work (AR0101a1) ∴Earthwork in ordinary soil within 50m to 75m lead and 1.5m, initial lift - Earthwork in ordinary soil within 50m to 75m 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 direction of the Engineer-in-charge.	-	4.24752	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.	-	15.3760224	Cum
i)	BRM029 : Sand for filling and road blinding	1	15.3760224	1 Cum

3	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.	-	22.4269056	Cum
i)	BRM340 : Cement	2.29	51.357613824	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	10.764914688	1 Cum
iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	21.529829376	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.	-	14.7813696	Cum
i)	BRM340 : Cement	3.23	47.743823808	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	6.65161632	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	13.30323264	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	-	36.789588	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.09822819996	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	4.635488088	1Mtr.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	15.3760224	1 Cum	738.55	11355.96134352
2	BRM340	99.101437632	1 Qntl.	546.307	54139.809088425
3	BRM028	17.416531008	1 Cum	743.49	12949.016639138
4	BRM045	21.529829376	1 Cum.	2081.67	44817.999917138
5	BRM056	13.30323264	1 Cum.	2690.93	35798.067807955
6	BRM104	0.09822819996	1Cum.	58573.086	5753.5288038823
7	BRM092	4.635488088	1Mtr.	229.106	1062.0181338893
Total: 165876.40173395					

ROYALTY STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	Earth Work (AR0101a1) :.Earthwork in ordinary soil within 50m to 75m lead and 1.5m, initial lift - Earthwork in ordinary soil within 50m to 75m 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 direction of the Engineer-in-charge.	-	4.24752	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.	-	15.3760224	Cum
i)	BRM029 : Sand for filling and road blinding	1	15.3760224	1 Cum
3	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.	-	22.4269056	Cum
i)	BRM340 : Cement	2.29	51.357613824	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	10.764914688	1 Cum

iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	21.529829376	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.	-	14.7813696	Cum
i)	BRM340 : Cement	3.23	47.743823808	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	6.65161632	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	13.30323264	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	-	36.789588	Sqm

i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.09822819996	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.000614	0.022588807032	1Mtr.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	15.3760224	1 Cum	344.25	5293.1957112
2	BRM028	17.416531008	1 Cum	344.25	5995.640799504
3	BRM045	21.529829376	1 Cum.	522.5	11249.33584896
4	BRM056	13.30323264	1 Cum.	522.5	6950.9390544
					Total: 29489.111414064

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 3000	Rs. 3000
2	Display Citizen Board @ Rs. 2500	Rs. 2500
3	Any Other Lumpsum @ Rs. 4595.69	Rs. 4595.69
		Total Addition Component Amount (in Rs.): 10095.69

Total Net Amount (in Rs.): 299999.99615553