

ESTIMATION DPR							
State	Odisha	District	Khordha	Block	Baliana	Gram Panchayat	Baliana

Work Code	OD/362/3456/119536/407537/00057783 (IMPROVEMENT OF ROAD KANCHILO SANKAR DAS HOUSE TO KUSA DAS HOUSE ,BALIANTA GP)
Project Category	Road

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Baliana	Proposal Date	20-07-2023
Date of Commencement	24-10-2025	Date of Completion	19-12-2025
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	MAINTENANCE OF ROADS AND BRIDGES
Project Sub-Category	CC Road	Project Type	Upgradation or Improvement
Name of Executant	Bandita Nayak		

Administrative Approval Details

Approval No.	OD/362/3456/119536/407537/00057783/AS
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Technical Sanction Details

Technical Sanction No.	OD/362/3456/119536/407537/00057783/TS
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	200000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	Earth Work (AR0102b) : Earth work in hard soil or gravelly soil in embankment, roads etc. within 50m initial lead and 1.5m initial lift and Compaction with P.R.R - Earth work in hard soil or gravelly soil in embankment, roads etc. 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 specification approved by the Department alongwith proper compaction with P.R.R. including hire and running charges of P.R.R. (section measurement to be taken on the finished compacted section of the fill) as per direction of Engineer-in-Charge.	Cum	2.34	208.2172638579	2968.4726096988
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	14.235	436.878732	2968.4726096988

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.	Cum	16.575	6140.3921115	2968.4726096988
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 specifcaion and direction of Engineer-in charge.	Cum	10.8186	7619.9967625	2968.4726096988

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	13.728	216.23489289764	2968.4726096988
Total Amount (in Rs.): 193889.36598004					

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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1	Earth Work (AR0102b) : Earth work in hard soil or gravelly soil in embankment, roads etc. within 50m initial lead and 1.5m initial lift and Compaction with P.R.R - Earth work in hard soil or gravelly soil in embankment, roads etc. 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 specification approved by the Department alongwith proper compaction with P.R.R. including hire and running charges of P.R.R. (section measurement to be taken on the finished compacted section of the fill) as per direction of Engineer-in-Charge.	-	2.34	Cum
i	Un-Skilled	0.43	1.0062	-
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.	-	14.235	Cum
i	Un-Skilled	0.1236	1.759446	-

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.	-	16.575	Cum
i	Skilled	0.18	2.9835	-
ii	Un-Skilled	3.9	64.6425	-
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.	-	10.8186	Cum
i	Un-Skilled	4.6	49.76556	-

ii	Skilled	0.68	7.356648	-
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	-	13.728	Sqm
i	Semi-Skilled	0.05	0.6864	-
ii	Skilled	0.05	0.6864	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	117.173706	462	54134.252172
1	Skilled	11.026548	562	6196.919976
2	Semi-Skilled	0.6864	512	351.4368
				Total: 60682.608948

MATERIAL 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 (AR0102b) :.Earth work in hard soil or gravelly soil in embankment, roads etc. within 50m initial lead and 1.5m initial lift and Compaction with P.R.R - Earth work in hard soil or gravelly soil in embankment, roads etc. 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 specification approved by the Department alongwith proper compaction with P.R.R. including hire and running charges of P.R.R. (section measurement to be taken on the finished compacted section of the fill) as per direction of Engineer-in-Charge.	-	2.34	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.	-	14.235	Cum
i)	BRM029 : Sand for filling and road blinding	1	14.235	1 Cum

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.	-	16.575	Cum
i)	BRM340 : Cement	2.29	37.95675	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	7.956	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	15.912	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.	-	10.8186	Cum
i)	BRM340 : Cement	3.23	34.944078	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	4.86837	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	9.73674	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	-	13.728	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.03665376	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	1.729728	1Mtr.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	14.235	1 Cum	332.2	4728.867
2	BRM340	72.900828	1 Qntl.	569.387	41508.783752436
3	BRM028	12.82437	1 Cum	481.81	6178.9097097
4	BRM044	15.912	1 Cum.	1995.16	31746.98592
5	BRM056	9.73674	1 Cum.	2372.62	23101.5840588
6	BRM104	0.03665376	1Cum.	58573.086	2146.9238367034
7	BRM092	1.729728	1Mtr.	229.106	396.291063168
Total: 109808.34534081					

ROYALTY STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Measurement Qty)	Unit
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1	Earth Work (AR0102b) :.Earth work in hard soil or gravelly soil in embankment, roads etc. within 50m initial lead and 1.5m initial lift and Compaction with P.R.R - Earth work in hard soil or gravelly soil in embankment, roads etc. 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 specification approved by the Department alongwith proper compaction with P.R.R. including hire and running charges of P.R.R. (section measurement to be taken on the finished compacted section of the fill) as per direction of Engineer-in-Charge.	-	2.34	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.	-	14.235	Cum
i)	BRM029 : Sand for filling and road blinding	1	14.235	1 Cum

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.	-	16.575	Cum
i)	BRM340 : Cement	2.29	37.95675	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	7.956	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	15.912	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.	-	10.8186	Cum
i)	BRM340 : Cement	3.23	34.944078	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	4.86837	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	9.73674	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	-	13.728	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.03665376	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.000614	0.008428992	1Mtr.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	14.235	1 Cum	43.25	615.66375
2	BRM028	12.82437	1 Cum	146.25	1875.5641125
3	BRM044	15.912	1 Cum.	319.5	5083.884
4	BRM056	9.73674	1 Cum.	319.5	3110.88843
					Total: 10686.0002925

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 1938.8936598004
2	Display Citizen Board @ Rs. 2000	Rs. 2000

3	Any Other Lumpsum @ Rs. 1440	Rs. 1440
4	Provision for survey investigation and quality control @ Rs. 731.74	Rs. 731.74
Total Addition Component Amount (in Rs.): 6110.6336598004		

Total Net Amount (in Rs.): 199999.99963984