

ESTIMATION DPR							
State	Odisha	District	Cuttack	Block	Nischinta Koili	Gram Panchayat	Babujanga

Work Code	OD/350/3342/117077/399988/00066058 (Improvement of road from Jogendra Beura house to Bhakta Mohanty house of Babujanga GP.)						
Project Category	Road						

Financial Year	2020-21	Execution Level	PS
Executing Agency	Panchayat Samiti, Nischinta Koili	Proposal Date	08-04-2021
Date of Commencement	26-11-2025	Date of Completion	26-11-2025
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	Binay Ranjan Sahoo		

Administrative Approval Details

Approval No.	OD/350/3342/117077/399988/00066058/AS
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Technical Sanction Details

Technical Sanction No.	OD/350/3342/117077/399988/00066058/TS
Fund Sanction No.	9114
Fund Sanction Amount (in Rs.)	400000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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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	Cum	11.35333212864	240.77592	9237.2643205941
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	16.13041168464	529.647232	9237.2643205941

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	27.97093435728	5823.03464436	9237.2643205941
4	Concrete (AR0307) : First floor - 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	27.22890394	7688.49746932	9237.2643205941

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	42.71865746	216.23489289764	9237.2643205941
Total Amount (in Rs.): 392739.38004133					

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	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	-	11.35333212864	Cum
i	Un-Skilled	0.516	5.8583193783782	-

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.	-	16.13041168464	Cum
i	Un-Skilled	0.1236	1.9937188842215	-
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.	-	27.97093435728	Cum
i	Skilled	0.18	5.0347681843104	-
ii	Un-Skilled	3.9	109.08664399339	-

4	Concrete (AR0307) : First floor - 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.	-	27.22890394	Cum
i	Un-Skilled	5.29	144.0409018426	-
ii	Skilled	0.782	21.29300288108	-
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	-	42.71865746	Sqm
i	Semi-Skilled	0.05	2.135932873	-
ii	Skilled	0.05	2.135932873	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
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0	Un-Skilled	260.97958409859	462	120572.56785355
1	Skilled	28.46370393839	562	15996.601613375
2	Semi-Skilled	2.135932873	512	1093.597630976
Total: 137662.7670979				

MATERIAL STATEMENT

Sl.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	-	11.35333212864	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.	-	16.13041168464	Cum
i)	BRM029 : Sand for filling and road blinding	1	16.13041168464	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.	-	27.97093435728	Cum
i)	BRM340 : Cement	2.29	64.053439678171	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	13.426048491494	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	26.852096982989	1 Cum.
4	Concrete (AR0307) :.First floor - 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.	-	27.22890394	Cum
i)	BRM340 : Cement	3.23	87.9493597262	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	12.253006773	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	24.506013546	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	-	42.71865746	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.1140588154182	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	5.38255083996	1Mtr.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	16.13041168464	1 Cum	413.05	6662.6665463406
2	BRM340	152.00279940437	1 Qntl.	569.712	86597.818854263
3	BRM028	25.679055264494	1 Cum	417.99	10733.588310006
4	BRM044	26.852096982989	1 Cum.	2038.31	54732.897801396
5	BRM056	24.506013546	1 Cum.	2466.91	60454.129876763
6	BRM104	0.1140588154182	1Cum.	58573.086	6680.7768045484
7	BRM092	5.38255083996	1Mtr.	229.106	1233.1746927399
Total: 227095.05288606					

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 (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	-	11.35333212864	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.	-	16.13041168464	Cum
i)	BRM029 : Sand for filling and road blinding	1	16.13041168464	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.	-	27.97093435728	Cum
i)	BRM340 : Cement	2.29	64.053439678171	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	13.426048491494	1 Cum

iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	26.852096982989	1 Cum.
4	Concrete (AR0307) :.First floor - 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.	-	27.22890394	Cum
i)	BRM340 : Cement	3.23	87.9493597262	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	12.253006773	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	24.506013546	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	-	42.71865746	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.1140588154182	1Cum.

ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.000614	0.02622925568044	1Mtr.
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S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	16.13041168464	1 Cum	54.25	875.07483389172
2	BRM028	25.679055264494	1 Cum	54.25	1393.0887480988
3	BRM044	26.852096982989	1 Cum.	158.5	4256.0573718037
4	BRM056	24.506013546	1 Cum.	158.5	3884.203147041
					Total: 10408.424100835

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 4000	Rs. 4000
2	Display Citizen Board @ Rs. 2000	Rs. 2000
3	Any Other Lumpsum @ Rs. 1260.6	Rs. 1260.6
		Total Addition Component Amount (in Rs.): 7260.6

Total Net Amount (in Rs.): 399999.98004133