

ESTIMATION DPR

State	Odisha	District	Bhadrak	Block	Basudevpur	Gram Panchayat	Nuagan
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Work Code	OD/348/3322/116606/394913/00055398 (Repair/Maintenance of road from Ratna Das House to Ramesh Malik House)
Project Category	Road

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Basudevpur	Proposal Date	-
Date of Commencement	24-09-2025	Date of Completion	-
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	All Weather Connectivity
Project Sub-Category	CC Road	Project Type	Repair and Maintenance
Name of Executant	SATYA NARAYAN PATRA		

Administrative Approval Details

Approval No.	OD/348/3322/116606/394913/00055398/AS
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Technical Sanction Details

Technical Sanction No.	OD/348/3322/116606/394913/00055398/TS
Fund Sanction No.	28963
Fund Sanction Amount (in Rs.)	160000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
1	Earth Work (AR0108) : extra lift of 1.5m to 3.0m - Extra lift of 1.5m or part thereof over the initial lift of 1.5m in all kinds of embankments and road works and ordinary earthwork in general.(1st extra lift of 1.5m to 3.0m)	Cum	3.864	19.13142	3632.7462006804

2	<p>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.</p>	Cum	8.4	1453.352832	3632.7462006804
3	<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	10.976	6252.15835598	3632.7462006804

4	<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	8.4	7703.85976526	3632.7462006804
5	<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	16.8	216.23489289764	3632.7462006804
Total Amount (in Rs.): 149250.94593978					

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	Earth Work (AR0108) : extra lift of 1.5m to 3.0m - Extra lift of 1.5m or part thereof over the initial lift of 1.5m in all kinds of embankments and road works and ordinary earthwork in general.(1st extra lift of 1.5m to 3.0m)	-	3.864	Cum
i	Un-Skilled	0.041	0.158424	-
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.	-	8.4	Cum
i	Un-Skilled	0.1236	1.03824	-

3	<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>	-	10.976	Cum
i	Skilled	0.18	1.97568	-
ii	Un-Skilled	3.9	42.8064	-
4	<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>	-	8.4	Cum
i	Un-Skilled	4.6	38.64	-

	ii	Skilled	0.68	5.712	-
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	-	16.8	Sqm
	i	Semi-Skilled	0.05	0.84	-
	ii	Skilled	0.05	0.84	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	82.643064	462	38181.095568
1	Skilled	8.52768	562	4792.55616
2	Semi-Skilled	0.84	512	430.08
				Total: 43403.731728

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	Earth Work (AR0108) :.extra lift of 1.5m to 3.0m - Extra lift of 1.5m or part thereof over the initial lift of 1.5m in all kinds of embankments and road works and ordinary earthwork in general.(1st extra lift of 1.5m to 3.0m)	-	3.864	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.	-	8.4	Cum
i)	BRM029 : Sand for filling and road blinding	1	8.4	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.	-	10.976	Cum
i)	BRM340 : Cement	2.29	25.13504	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	5.26848	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	10.53696	1 Cum.

4	<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>	-	8.4	Cum
i)	BRM340 : Cement	3.23	27.132	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	3.78	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	7.56	1 Cum.
5	<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>	-	16.8	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.044856	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	2.1168	1Mtr.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	8.4	1 Cum	1341.61	11269.524
2	BRM340	52.26704	1 Qntl.	538.927	28168.11906608
3	BRM028	9.04848	1 Cum	1344.36	12164.4145728
4	BRM044	10.53696	1 Cum.	1995.16	21022.9211136
5	BRM056	7.56	1 Cum.	2396.53	18117.7668
6	BRM104	0.044856	1Cum.	58573.086	2627.354345616
7	BRM092	2.1168	1Mtr.	229.106	484.9715808
Total: 93855.071478896					

ROYALTY STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	Earth Work (AR0108) :.extra lift of 1.5m to 3.0m - Extra lift of 1.5m or part thereof over the initial lift of 1.5m in all kinds of embankments and road works and ordinary earthwork in general.(1st extra lift of 1.5m to 3.0m)	-	3.864	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.	-	8.4	Cum
i)	BRM029 : Sand for filling and road blinding	1	8.4	1 Cum

3	<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>	-	10.976	Cum
i)	BRM340 : Cement	2.29	25.13504	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	5.26848	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	10.53696	1 Cum.
4	<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>	-	8.4	Cum
i)	BRM340 : Cement	3.23	27.132	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	3.78	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	7.56	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	-	16.8	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.044856	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.000614	0.0103152	1Mtr.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	8.4	1 Cum	40.25	338.1
2	BRM028	9.04848	1 Cum	40.25	364.20132
3	BRM044	10.53696	1 Cum.	149.5	1575.27552
4	BRM056	7.56	1 Cum.	149.5	1130.22
Total: 3407.79684					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 1492.5094593978
2	Display Citizen Board @ Rs. 5000	Rs. 5000

3	Any Other Lumpsum @ Rs. 4256.54	Rs. 4256.54
Total Addition Component Amount (in Rs.): 10749.049459398		

Total Net Amount (in Rs.): 159999.99539918