

ESTIMATION DPR

State	Odisha	District	Balasore	Block	Soro	Gram Panchayat	Antapur
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Work Code	OD/346/3309/116311/394015/00118251 (Repair and Restoration of road from Antapur Jena sahi to Purna Jena house)
Project Category	Road

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Soro	Proposal Date	-
Date of Commencement	02-04-2026	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			

Administrative Approval Details

Approval No.	OD/346/3309/116311/394015/00118251/AS
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	143788

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	<p style="text-align: center;">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</p>	Cum	1.69080179136	240.77592	407.10435685235
2	<p style="text-align: center;">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	8.91598905376	1493.995232	13320.445134882

3	<p align="center">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	35.4424945	216.23489289764	7663.9040022327
4	<p align="center">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.</p>	Cum	9.976221016	5979.66169726	59654.426692775

5	<p align="center">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	7.41440012	7621.83547962	56511.337894715
Total Amount (in Rs.): 137557.21808146					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Meaurement Qty)	Unit
1	<p>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</p>	-	1.69080179136	Cum

	i	Un-Skilled	0.516	0.87245372434176	-
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.	-	8.91598905376	Cum
	i	Un-Skilled	0.1236	1.1020162470447	-
3		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	-	35.4424945	Sqm
	i	Semi-Skilled	0.05	1.772124725	-
	ii	Skilled	0.05	1.772124725	-

4	<p>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.</p>	-	9.976221016	Cum
	i Un-Skilled	3.9	38.9072619624	-
	ii Skilled	0.18	1.79571978288	-
5	<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>	-	7.41440012	Cum
	i Un-Skilled	4.6	34.106240552	-

ii	Skilled	0.68	5.0417920816	-
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Sl.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	74.987972485786	462	34644.443288433
2	Semi-Skilled	1.772124725	512	907.3278592
3	Skilled	8.60963658948	562	4838.6157632878
Total: 40390.386910921				

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	-	1.69080179136	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.	-	8.91598905376	Cum
i)	BRM029 : Sand for filling and road blinding	1	8.91598905376	1 Cum

3	<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>	-	35.4424945	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.094631460315	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	4.465754307	1Mtr.
4	<p>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.</p>	-	9.976221016	Cum
i)	BRM340 : Cement	2.29	22.84554612664	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	4.78858608768	1 Cum
iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	9.57717217536	1 Cum.

5	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.	-	7.41440012	Cum
i)	BRM340 : Cement	3.23	23.9485123876	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	3.336480054	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	6.672960108	1 Cum.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	8.91598905376	1 Cum	979.85	8736.3318743267
2	BRM104	0.094631460315	1Cum.	58573.086	5542.8566633361
3	BRM092	4.465754307	1Mtr.	229.106	1023.1311062595
4	BRM340	46.79405851424	1 Qntl.	570.467	26694.466178443
5	BRM028	8.12506614168	1 Cum	984.79	8001.483885665
6	BRM045	9.57717217536	1 Cum.	1323.77	12677.973210576
7	BRM056	6.672960108	1 Cum.	1933.03	12899.032077567
Total: 75575.274996174					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	8.91598905376	1 Cum	442.25	3943.0961590254
2	BRM028	8.12506614168	1 Cum	442.25	3593.310501158
3	BRM045	9.57717217536	1 Cum.	552.5	5291.3876268864

4	BRM056	6.672960108	1 Cum.	552.5	3686.81045967
					Total: 16514.60474674

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 1430	Rs. 1430
2	Display Citizen Board @ Rs. 2000	Rs. 2000
3	Any Other Lumpsum @ Rs. 2800.78	Rs. 2800.78
		Total Addition Component Amount (in Rs.): 6230.78

Total Net Amount (in Rs.): 143787.99808146