

ESTIMATION DPR							
State	Odisha	District	Puri	Block	Sadar	Gram Panchayat	Bhailipur

Work Code	OD/369/3545/121062/409718/00016887 (Improvement of road from Indreswar Temple Compost pit to olla road,Bhailipur GP)						
Project Category	Road						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Sadar	Proposal Date	01-03-2025
Date of Commencement	-	Date of Completion	
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	All Weather Connectivity
Project Sub-Category	CC Road	Project Type	Upgradation or Improvement
Name of Executant			

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	5600
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 (AR0101b) : Earth work in ordinary soil in embankments, roads, etc. within 50m initial lead and 1.5m initial lift - Earth work in ordinary soil in embankments, 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 along with proper compaction with P.R.R. including hire and running charges of P.R.R. (Measurement to be taken on the finished compacted section of the fill) direction of Engineer-in-Charge.</p>	Cum	9.6	156.8890638579	1506.1350130358
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	9.6	828.607232	7954.6294272

3	<p style="text-align: center;">Concrete (AR0309) : Cement Concrete (1:3:6) with 12mm size hard granite (Crusher Broken) chips - Cement Concrete (1:3:6) with 12mm size hard granite (Crusher Broken) chips 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 as per specification and direction of Engineer-in charge.</p>	Cum	9.6	7111.394042	68269.3828032
4	<p style="text-align: center;">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 specification and direction of Engineer-in charge.</p>	Cum	7.584	8329.3512644	63169.79998921

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	3.2	216.23489289764	691.95165727245
Total Amount (in Rs.): 141591.89888992					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<p>Earth Work (AR0101b) : Earth work in ordinary soil in embankments, roads, etc. within 50m initial lead and 1.5m initial lift - Earth work in ordinary soil in embankments, 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 along with proper compaction with P.R.R. including hire and running charges of P.R.R. (Measurement to be taken on the finished compacted section of the fill) direction of Engineer-in-Charge.</p>	-	9.6	Cum

	i	Un-Skilled	0.32	3.072	-
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.	-	9.6	Cum
	i	Un-Skilled	0.1236	1.18656	-
3		Concrete (AR0309) : Cement Concrete (1:3:6) with 12mm size hard granite (Crusher Broken) chips - Cement Concrete (1:3:6) with 12mm size hard granite (Crusher Broken) chips 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 as per specifaion and direction of Engineer-in charge.	-	9.6	Cum
	i	Skilled	0.68	6.528	-
	ii	Un-Skilled	4.6	44.16	-

4	<p>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 specification and direction of Engineer-in charge.</p>	-	7.584	Cum
i	Un-Skilled	5.29	40.11936	-
ii	Skilled	0.782	5.930688	-
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>	-	3.2	Sqm
i	Semi-Skilled	0.05	0.16	-
ii	Skilled	0.05	0.16	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
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1	Un-Skilled	88.53792	462	40904.51904
2	Skilled	12.618688	562	7091.702656
3	Semi-Skilled	0.16	512	81.92
				Total: 48078.141696

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Measurement Qty)	Unit
1	Earth Work (AR0101b) :.Earth work in ordinary soil in embankments, roads, etc. within 50m initial lead and 1.5m initial lift - Earth work in ordinary soil in embankments, 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 along with proper compaction with P.R.R. including hire and running charges of P.R.R. (Measurement to be taken on the finished compacted section of the fill) direction of Engineer-in-Charge.	-	9.6	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.	-	9.6	Cum

i)	BRM029 : Sand for filling and road blinding	1	9.6	1 Cum
3	Concrete (AR0309) :.Cement Concrete (1:3:6) with 12mm size hard granite (Crusher Broken) chips - Cement Concrete (1:3:6) with 12mm size hard granite (Crusher Broken) chips 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 as per specifaion and direction of Engineer-in charge.	-	9.6	Cum
i)	BRM340 : Cement	2.15	20.64	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	4.32	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	8.64	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 specifaion and direction of Engineer-in charge.	-	7.584	Cum
i)	BRM340 : Cement	3.23	24.49632	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	3.4128	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	6.8256	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	-	3.2	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.008544	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	0.4032	1Mtr.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	9.6	1 Cum	688.05	6605.28
2	BRM340	45.13632	1 Qntl.	610.1	27537.668832
3	BRM028	7.7328	1 Cum	973.71	7529.504688
4	BRM056	15.4656	1 Cum.	2506.93	38771.176608
5	BRM104	0.008544	1Cum.	58573.086	500.448446784
6	BRM092	0.4032	1Mtr.	229.106	92.3755392
Total: 81036.454113984					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	9.6	1 Cum	75.25	722.4
2	BRM028	7.7328	1 Cum	75.25	581.8932
3	BRM056	15.4656	1 Cum.	170.5	2636.8848
Total: 3941.178					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 1438	Rs. 1438
2	Display Citizen Board @ Rs. 758	Rs. 758
Total Addition Component Amount (in Rs.): 2196		

Total Net Amount (in Rs.): 143787.89888992