

ESTIMATION DPR							
State	Odisha	District	Khordha	Block	Balipatna	Gram Panchayat	Amanakuda

Work Code	OD/362/3457/119550/407639/00072025 (Repair & Maintenance of road from Sidheswar Sahoo house to Kochilakhai Khal)						
Project Category	Road						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Balipatna	Proposal Date	-
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	Repair and Maintenance
Name of Executant			

### Administrative Approval Details

Approval No.	
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### Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	29143
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;"><b>Earth Work (AR0102aa)</b>  <b>: Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b>  Earth work in hard soil or gravelly soil foundation &amp; 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	9.7125	240.77592	2338.536123
2	<p style="text-align: center;"><b>Earth Work (AR0115) :</b>  <b>Filling foundation and plinth with sand well watered and rammed -</b>  Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	5.475	619.032232	3389.2014702

3	<p style="text-align: center;"><b>Concrete (AR0303) :</b>  <b>Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal</b> - 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	12.3	6060.5506015	74544.77239845
4	<p style="text-align: center;"><b>Concrete (AR0307) :</b>  <b>Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum</b> - 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&amp;P required for the work etc. complete as per specifcaion and direction of Engineer-in charge.</p>	Cum	7.665	7485.5684895	57376.882472018

5	<b>miscellaneous (ARM216) : Shuttering in foundation excluding cost of wood (Labour only). (Well Sinking) and as directed by Engineer-in-Charge. - Shuttering in foundation excluding cost of wood (Labour only). (Well Sinking) and as directed by Engineer-in-Charge.</b>	Sqm	22.5	4.99	112.275
<b>Total Amount (in Rs.): 137761.66746367</b>					

#### LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<b>Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift - Earth work in hard soil or gravelly soil foundation &amp; 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</b>	-	9.7125	Cum
i	Un-Skilled	0.516	5.01165	-

2	<b>Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed -</b> 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.	-	5.475	Cum
i	Un-Skilled	0.1236	0.67671	-
3	<b>Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal -</b> 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.	-	12.3	Cum
i	Skilled	0.18	2.214	-
ii	Un-Skilled	3.9	47.97	-

4	<p><b>Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum -</b> 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&amp;P required for the work etc. complete as per specifaion and direction of Engineer-in charge.</p>	-	7.665	Cum
i	Un-Skilled	4.6	35.259	-
ii	Skilled	0.68	5.2122	-
5	<p><b>miscellaneous (ARM216) : Shuttering in foundation excluding cost of wood (Labour only). (Well Sinking) and as directed by Engineer-in-Charge. -</b> Shuttering in foundation excluding cost of wood (Labour only). (Well Sinking) and as directed by Engineer-in-Charge.</p>	-	22.5	Sqm

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	88.91736	462	41079.82032
2	Skilled	7.4262	562	4173.5244
<b>Total: 45253.34472</b>				

## MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<b>Earth Work (AR0102aa) :.Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b> 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	-	9.7125	Cum
2	<b>Earth Work (AR0115) :.Filling foundation and plinth with sand well watered and rammed -</b> 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.	-	5.475	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	5.475	1 Cum
3	<b>Concrete (AR0303) :.Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal -</b> 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.	-	12.3	Cum
i)	<b>BRM340</b> : Cement	2.29	28.167	1 Qntl.

ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	5.904	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	11.808	1 Cum.
4	<b>Concrete (AR0307) :.Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum -</b> 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.	-	<b>7.665</b>	Cum
i)	<b>BRM340</b> : Cement	3.23	24.75795	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	3.44925	1 Cum
iii)	<b>BRM056</b> : 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	6.8985	1 Cum.
5	<b>miscellaneous(ARM216) :.Shuttering in foundation excluding cost of wood (Labour only). (Well Sinking) and as directed by Engineer-in-Charge. -</b> Shuttering in foundation excluding cost of wood (Labour only). (Well Sinking) and as directed by Engineer-in-Charge.	-	<b>22.5</b>	Sqm
i)	<b>BRMM216</b> : Shuttering in foundation excluding cost of wood (Labour only). (Well Sinking)	1	22.5	Sqm

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	5.475	1 Cum	397.3	2175.2175
2	BRM340	52.92495	1 Qntl.	569.387	30134.77850565
3	BRM028	9.35325	1 Cum	403.69	3775.8134925
4	BRM044	11.808	1 Cum.	2087.16	24645.18528
5	BRM056	6.8985	1 Cum.	2464.62	17002.18107
6	BRMM216	22.5	Sqm	4.99	112.275
<b>Total: 77845.45084815</b>					

#### ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	5.475	1 Cum	158.5	867.7875
2	BRM028	9.35325	1 Cum	158.5	1482.490125
3	BRM044	11.808	1 Cum.	308	3636.864
4	BRM056	6.8985	1 Cum.	308	2124.738
<b>Total: 8111.879625</b>					

#### ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 1438	Rs. 1438
2	Display Citizen Board @ Rs. 3332.3	Rs. 3332.3
3	Any Other Lumpsum @ Rs. 1256	Rs. 1256
<b>Total Addition Component Amount (in Rs.): 6026.3</b>		

**Total Net Amount (in Rs.): 143787.96746367**