

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Khordha	<b>Block</b>	Bhubaneswar	<b>Gram Panchayat</b>	Dadha

<b>Work Code</b>	OD/362/3460/119602/407513/00017647 (Construction of cc Road from Marichia Bhagabat Ghara to Transformer, Dadha GP)						
<b>Project Category</b>	Road						

<b>Financial Year</b>	2024-25	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Bhubaneswar	<b>Proposal Date</b>	-
<b>Date of Commencement</b>	-	<b>Date of Completion</b>	
<b>Scheme Name</b>	5th SFC Grant in Aid	<b>Scheme Component Name</b>	Maintenance and improvement of Road infrastructure
<b>Project Sub-Category</b>	CC Road	<b>Project Type</b>	New Work
<b>Name of Executant</b>			

### Administrative Approval Details

<b>Approval No.</b>	
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### Technical Sanction Details

<b>Technical Sanction No.</b>	
<b>Fund Sanction No.</b>	
<b>Fund Sanction Amount (in Rs.)</b>	175000

### 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 (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 &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	10.086969	502.629732	5070.0105251623
2	<p style="text-align: center;"><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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	13.45614336	5845.9633755	78664.121258038

3	<p style="text-align: center;"><b>Earth Work (AR0102aa) :</b></p> <p><b>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></p>	Cum	2.3489	240.77592	565.558558488
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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 specificaion and direction of Engineer-in charge.</p>	Cum	11.27574976	7343.9698225	82808.765963502
5	<p><b>Masonry Stone Work (AR0717) : Laterite stone masonry -</b> Laterite stone masonry in cement mortar (1:6) in foundation and plinth cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in-charge.</p>	Cum	1.233479808	4570.995481	5638.2306282727

## LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<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.	-	10.086969	Cum
i	Un-Skilled	0.1236	1.2467493684	-
2	<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.	-	13.45614336	Cum

	i	Skilled	0.18	2.4221058048	-
	ii	Un-Skilled	3.9	52.478959104	-
3		<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>	-	2.3489	Cum
	i	Un-Skilled	0.516	1.2120324	-

4	<p><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 specificaion and direction of Engineer-in charge.</p>	-	11.27574976	Cum
i	Un-Skilled	4.6	51.868448896	-
ii	Skilled	0.68	7.6675098368	-
5	<p><b>Masonry Stone Work (AR0717) :</b>  <b>Laterite stone masonry -</b> Laterite stone masonry in cement mortar (1:6) in foundation and plinth cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in-charge.</p>	-	1.233479808	Cum
i	Un-Skilled	1.21	1.49251056768	-

ii	Skilled	1.05	1.2951537984	-
iii	Highly-Skilled	2.295	2.83083615936	-
iv	Semi-Skilled	1.41	1.73920652928	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
2	Un-Skilled	108.29870033608	462	50033.999555269
4	Skilled	11.38476944	562	6398.24042528
5	Highly-Skilled	2.83083615936	612	1732.4717295283
3	Semi-Skilled	1.73920652928	512	890.47374299136
<b>Total: 59055.185453069</b>				

## MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<b>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 &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</b>	-	<b>10.086969</b>	Cum

i)	<b>BRM029</b> : Sand for filling and road blinding	1	10.086969	1 Cum
2	<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.	-	<b>13.45614336</b>	Cum
i)	<b>BRM340</b> : Cement	2.29	30.8145682944	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	6.4589488128	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	12.9178976256	1 Cum.
3	<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	-	<b>2.3489</b>	Cum

4	<p><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 specificaion and direction of Engineer-in charge.</p>	-	<b>11.27574976</b>	Cum
i)	<b>BRM340 : Cement</b>	3.23	36.4206717248	1 Qntl.
ii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.45	5.074087392	1 Cum
iii)	<b>BRM056 : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve &amp; retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)</b>	0.9	10.148174784	1 Cum.
5	<p><b>Masonry Stone Work (AR0717)</b>  <b>::Laterite stone masonry</b> - Laterite stone masonry in cement mortar (1:6) in foundation and plinth cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in-charge.</p>	-	<b>1.233479808</b>	Cum
i)	<b>BRM340 : Cement</b>	0.572	0.705550450176	1 Qntl.

ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.24	0.29603515392	1 Cum
iii)	<b>BRM079</b> : Laterite Stone rough dressed	1	1.233479808	1 Cum.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	10.086969	1 Cum	397.3	4007.5527837
2	<b>BRM340</b>	67.940790469376	1 Qntl.	569.387	38684.602862987
3	<b>BRM028</b>	11.82907135872	1 Cum	403.69	4775.2778168017
4	<b>BRM044</b>	12.9178976256	1 Cum.	1792.06	23149.647618933
5	<b>BRM056</b>	10.148174784	1 Cum.	2169.52	22016.668157384
6	<b>BRM079</b>	1.233479808	1 Cum.	729.98	900.41559024384
<b>Total: 93534.164830049</b>					

### ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM029</b>	10.086969	1 Cum	43.25	436.26140925
2	<b>BRM028</b>	11.82907135872	1 Cum	43.25	511.60733626464
3	<b>BRM044</b>	12.9178976256	1 Cum.	309.5	3998.0893151232
4	<b>BRM056</b>	10.148174784	1 Cum.	309.5	3140.860095648
<b>Total: 8086.8181562858</b>					

### ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 1753.31	Rs. 1753.31
2	Display Citizen Board @ Rs. 500	Rs. 500
<b>Total Addition Component Amount (in Rs.): 2253.31</b>		

**Total Net Amount (in Rs.): 174999.99693346**