

**ESTIMATION DPR**

<b>State</b>	Odisha	<b>District</b>	Nayagarh	<b>Block</b>	Nayagarh	<b>Panchayat</b>	Khuntubandha
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<b>Work Code</b>	OD/367/3527/120669/406266/00013800 (MAINT. & IMP OF BEGUNIAPATNA NUASAH ROAD)		
<b>Project Category</b>	Road		

<b>Financial Year</b>	2021-22	<b>Execution Level</b>	Khuntubandha, G.P
<b>Executing Agency</b>	Panchayat Samiti, Nayagarh	<b>Proposal Date</b>	17-11-2023
<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>	410
<b>Fund Sanction Amount (in Rs.)</b>	153269

**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) : 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	2.1449976	235.56432	505.28490104563
2	<p style="text-align: center;"><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></p>	Cum	6.22049304	700.634172	4358.2899905122

3	<p><b>Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal -</b>  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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	12.741285744	5130.2318043	65365.749351543
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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	11.30988849408	6905.5061581	78100.504643294
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5	<p style="text-align: center;"><b>R.C.C.</b></p> <p><b>Work (AR0410c) :</b>  <b>R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc</b>  - 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  <b>R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc</b></p>	Sqm	15.57611698	215.22489289764	3352.3681087816
<b>Total Amount (in Rs.): 151682.19699518</b>					

### LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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1	<p><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 &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>	2.1449976	235.56432	Cum
i	Un-Skilled	0.516	1.1068187616	-
2	<p><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>	6.22049304	700.634172	Cum
i	Un-Skilled	0.1236	0.768852939744	-

3	<p><b>Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal -</b>  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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	12.741285744	5130.2318043	Cum
i	Un-Skilled	3.9	49.6910144016	-
ii	Skilled	0.18	2.29343143392	-

4	<p><b>Concrete (AR0307)</b>  <b>: 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&amp;P required for the work etc. complete as per specificaion and direction of Engineer-in charge.</b></p>	11.30988849408	6905.5061581	Cum
i	Un-Skilled	4.6	52.025487072768	-
ii	Skilled	0.68	7.6907241759744	-

5	<b>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</b>	15.57611698	215.22489289764	Sqm
i	Semi-Skilled	0.05	0.778805849	-
ii	Skilled	0.05	0.778805849	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
2	Un-Skilled	103.59217317571	452	46823.662275422
4	Skilled	10.762961458894	552	5941.1547253097
3	Semi-Skilled	0.778805849	502	390.960536198
<b>Total:</b>				<b>53155.77753693</b>

## MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	<p><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 &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>	-	<b>2.1449976</b>	Cum
2	<p><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>	-	<b>6.22049304</b>	Cum
i)	<p><b>BRM029</b> : Sand for filling and road blinding</p>	1	6.22049304	1 Cum

3	<p><b>Concrete (AR0303a)</b>  <b>:.Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal -</b>  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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	<b>12.741285744</b>	Cum
i)	<b>BRM340 : Cement</b>	2.29	29.17754435376	1 Qntl.
ii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.48	6.11581715712	1 Cum
iii)	<b>BRM045 : Granite Stone broken metal 40mm. size (Hand broken)</b>	0.96	12.23163431424	1 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 specifaion and direction of Engineer-in charge.</p>	-	<b>11.30988849408</b>	Cum

i)	<b>BRM340</b> : Cement	3.23	36.530939835878	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	5.089449822336	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	10.178899644672	1 Cum.
5	<b>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</b>	-	<b>15.57611698</b>	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.0415882323366	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.126	1.96259073948	1Mtr.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	6.22049304	1 Cum	332.58	2068.8115752432
2	<b>BRM340</b>	65.708484189638	1 Qntl.	579.287	38064.070680763
3	<b>BRM028</b>	11.205266979456	1 Cum	417.13	4674.0530151405
4	<b>BRM045</b>	12.23163431424	1 Cum.	1038.44	12701.818337279

5	<b>BRM056</b>	10.178899644672	1 Cum.	1672.63	17025.532912668
6	<b>BRM104</b>	0.0415882323366	1Cum.	58573.086	2435.9511092397
7	<b>BRM092</b>	1.96259073948	1Mtr.	229.106	449.6413139593
<b>Total: 77419.878944293</b>					

### ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM029</b>	6.22049304	1 Cum	305.25	1898.80550046
2	<b>BRM028</b>	11.205266979456	1 Cum	305.25	3420.4077454789
3	<b>BRM045</b>	12.23163431424	1 Cum.	199.5	2440.2110456909
4	<b>BRM056</b>	10.178899644672	1 Cum.	199.5	2030.6904791121
<b>Total: 9790.1147707419</b>					

### ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Display Citizen Board @ Rs. 1586.8	Rs. 1586.8
<b>Total Addition Component Amount (in Rs.): 1586.8</b>		

**Total Net Amount (in Rs.): 153268.99699518**