

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Mayurbhanj	<b>Block</b>	Baripada	<b>Panchayat</b>	Laxmiposi

<b>Work Code</b>	OD/365/3490/120105/389222/00014209 (CONSTRUCTION OF BRIDGE/ CULVERT NEAR DURGA MURMU HOUSE AT KHETRAPATNA ON DURGA MURMU ROAD AT KHETRAPATNA)
<b>Project Category</b>	Road

<b>Financial Year</b>	2020-21	<b>Execution Level</b>	Laxmiposi, G.P
<b>Executing Agency</b>	Panchayat Samiti, Baripada	<b>Proposal Date</b>	15-07-2021
<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 OF ROADS AND BRIDGES
<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>	11096/PR&DW
<b>Fund Sanction Amount (in Rs.)</b>	155473

### 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 (AR0102a) :</b>  <b>Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift -</b>  Earth work in hard soil or gravelly soil 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	21.722	196.3036	4264.1067992
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	4.9305	1201.755772	5925.256833846

3	<p><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	4.509	5857.47850872	26411.370595818
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4	<p style="text-align: center;"><b>R.C.C.</b></p> <p><b>Work (AR0404Aa) : Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b>  Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite 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. (including centering and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)</p>	Cum	10.5	6247.9017514265	65602.968389978
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1	<p><b>Earth Work (AR01 02a) : Earth work in hard soil or gravell y soil within 50m. Initial lead and 1.5m initial lift -</b>  Earth work in hard soil or gravell y soil within 50m. Initial lead and 1.5m initial lift includi ng rough dressin g and breakin g clods to maxim um 5cm to 7cm and laying in layers not exceedi ng 0.3m in depth and as per the directio n of the Engine er-in-charge</p>	21.722	Cubic Meter	0.43	9.3404 6	-	-	-	-	-	-
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2	<b>Earth Work (AR01 15) : 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.	4.9305	Cubic Meter	0.1236	0.6094098	-	-	-	-	-	-
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3	<p><b>Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal - 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</b></p>	4.509	Cubic Meter	3.9	17.5851	-	-	0.18	0.81162	-	-
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4	<b>R.C.C. Work (AR04 04Aa) : Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b> Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips including hoisting and laying in position compacting to specified design section and curing for proper period with	10.5	Cubic Meter	1.3333	13.999 65	0.1323	1.3891 5	0.175	1.8375	-	-
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5	<b>R.C.C. Work (AR04 09) : Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position - Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position including cost</b>	4.725	Quintal	0.8	3.78	0.044	0.2079	-	-	0.3	1.4175
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<b>Total Qty</b>	<b>45.3146198</b>	<b>2.64912</b>	<b>1.59705</b>	<b>1.4175</b>
<b>Rate Per Man Day</b>	<b>452</b>	<b>552</b>	<b>502</b>	<b>602</b>
<b>Total Amount</b>	<b>20482.2081496</b>	<b>1462.31424</b>	<b>801.7191</b>	<b>853.335</b>
<b>Total Labour Amount (in Rs.): 23599.5764896</b>				

## MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<b>Earth Work (AR0102a) :.Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift -</b> Earth work in hard soil or gravelly soil 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>21.722</b>	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.	-	<b>4.9305</b>	Cum
i)	<b>BRM029 : Sand for filling and road blinding</b>	1	4.9305	1 Cum

3	<p><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>	-	<b>4.509</b>	Cum
i)	<b>BRM340</b> : Cement	2.29	10.32561	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	2.16432	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	4.32864	1 Cum.

4	<p><b>R.C.C. Work (AR0404Aa)</b>  <b>:.Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips</b>  - Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite 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. (including centering and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)</p>	-	10.5	Cum
i)	<b>BRM340 : Cement</b>	3.4733	36.46965	1 Qntl.
ii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.45	4.725	1 Cum
iii)	<b>BRM060 : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve &amp; retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)</b>	0.36	3.78	1 Cum.

iv)	<b>BRM052</b> : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)	0.54	5.67	1 Cum.
v)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.0420525	1Cum.
vi)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.189	1.9845	1Mtr.
5	<b>R.C.C. Work (AR0409)</b> :..Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position - Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position including cost of binding wire 18 to 20 gauge with cost of steel rod and as per drawing, design, and direction of Engineer-in-charge.	-	4.725	Qntl
i)	<b>BRM162</b> : Binding Wire.	0.8	3.78	1 Kg.
ii)	<b>BRM341</b> : Steel	1.05	4.96125	1 Qntl.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	4.9305	1 Cum	531.74	2621.74407
2	<b>BRM340</b>	46.79526	1 Qntl.	459.642	21509.06689692

3	<b>BRM028</b>	6.88932	1 Cum	538.16	3707.5564512
4	<b>BRM044</b>	4.32864	1 Cum.	1596.76	6911.7992064
5	<b>BRM060</b>	3.78	1 Cum.	1981.51	7490.1078
6	<b>BRM052</b>	5.67	1 Cum.	1983.8	11248.146
7	<b>BRM104</b>	0.0420525	1Cum.	58620.646	2465.144715915
8	<b>BRM092</b>	1.9845	1Mtr.	276.666	549.043677
9	<b>BRM162</b>	3.78	1 Kg.	90	340.2
10	<b>BRM341</b>	4.96125	1 Qntl.	5806.592	28807.95456
<b>Total: 85650.763377435</b>					

### ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM029</b>	4.9305	1 Cum	602.25	2969.393625
2	<b>BRM028</b>	6.88932	1 Cum	602.25	4149.09297
3	<b>BRM044</b>	4.32864	1 Cum.	551.5	2387.24496
4	<b>BRM060</b>	3.78	1 Cum.	551.5	2084.67
5	<b>BRM052</b>	5.67	1 Cum.	551.5	3127.005
<b>Total: 14717.406555</b>					

### ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 1395.4582938271
2	Display Citizen Board @ Rs. 3000	Rs. 3000
3	Any Other Lumpsum @ Rs. 11531.5	Rs. 11531.5
<b>Total Addition Component Amount (in Rs.): 15926.958293827</b>		

**Total Net Amount (in Rs.): 155472.78767653**