

ESTIMATION DPR							
State	Odisha	District	Mayurbhanj	Block	Baripada	Panchayat	Laxmiposi
Work Code	OD/365/3490/120105/389222/00013466 (IMPROVEMENT OF ROAD FROM KHETRAPATNA CANAL TO MAJHIBABU HOUSE AT KHETRAPATNA)						
Project Category	Road						
Financial Year	2020-21	Execution Level			Laxmiposi, G.P		
Executing Agency	Panchayat Samiti, Baripada	Proposal Date			15-07-2021		
Date of Commencement	-	Date of Completion					
Scheme Name	5th SFC Grant in Aid	Scheme Component Name			Maintenance and improvement of Road infrastructure		
Project Sub-Category	CC Road	Project Type			Upgradation or Improvement		
Name of Executant							

Administrative Approval Details

Approval No.	
---------------------	--

Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	11088/PR&DW
Fund Sanction Amount (in Rs.)	137025

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
-----	----------------	------	----------	---------------------	----------------

1	<p style="text-align: center;">Earth Work (AR0102a) : Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift - 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	18.1125	196.3036	3555.548955
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	3.6225	1201.755772	4353.36028407

3	<p>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&P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	2.415	5857.47850872	14145.810598559
---	---	-----	-------	---------------	-----------------

4	<p style="text-align: center;">R.C.C.</p> <p>Work (AR0404Aa) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips -</p> <p>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 cost conveyance, royalty,taxes of all materials, labour and T&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	10.09125	6247.9017514265	63049.138549083
---	--	-----	----------	-----------------	-----------------

5	<p style="text-align: center;">R.C.C. Work (AR0409) : Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position -</p> <p>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.</p>	Qntl	5.7513	7903.0956114	45453.073789845
6	<p style="text-align: center;">Earth Work (AR0114a) : Filling of foundation with escalated earth -</p> <p>Filling in foundation and plinth with excavated materials in Hard soil / Gravelly soil including watering and ramming as directed by the Engineer-in- charge.</p>	Cum	18.11	130.86876232	2370.0332856152
Total Amount (in Rs.): 132926.96546217					

LABOUR STATEMENT

Sl.No.	Activity Name	Quantity (A)	Unit	Un-Skilled		Skilled		Semi-Skilled		Highly-Skilled	
				RS.452/-		RS.552/-		RS.502/-		RS.602/-	
				Qty/Unit (B)	Total Qty (A*B)	Qty/Unit (B)	Total Qty (A*B)	Qty/Unit (B)	Total Qty (A*B)	Qty/Unit (B)	Total Qty (A*B)

1	<p>Earth Work (AR01 02a) : Earth work in hard soil or gravell y soil within 50m. Initial lead and 1.5m initial lift - 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>	18.112 5	Cubic Meter	0.43	7.7883 75	-	-	-	-	-	-
---	---	-------------	----------------	------	--------------	---	---	---	---	---	---

2	Earth Work (AR01 15) : 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.	3.6225	Cubic Meter	0.1236	0.4477 41	-	-	-	-	-	-
---	---	--------	-------------	--------	--------------	---	---	---	---	---	---

3	<p>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&P</p>	2.415	Cubic Meter	3.9	9.4185	-	-	0.18	0.4347	-	-
---	---	-------	-------------	-----	--------	---	---	------	--------	---	---

4	R.C.C. Work (AR04 04Aa) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips - 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	10.09125	Cubic Meter	1.3333	13.454663625	0.1323	1.335072375	0.175	1.76596875	-	-
---	--	----------	-------------	--------	--------------	--------	-------------	-------	------------	---	---

5	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	5.7513	Quintal	0.8	4.6010 4	0.044	0.2530 572	-	-	0.3	1.7253 9
---	---	--------	---------	-----	-------------	-------	---------------	---	---	-----	-------------

6	Earth Work (AR01 14a) : Filling of foundation with escalated earth - Filling in foundation and plinth with excavated materials in Hard soil / Gravely soil including watering and ramming as directed by the Engineer-in-charge.	18.11	Cubic Meter	0.286666	5.19152126	-	-	-	-	-	-
Total Qty				40.901840885	2.20066875	1.588129575	1.72539				
Rate Per Man Day				452	552	502	602				
Total Amount				18487.63208002	1214.76915	797.24104665	1038.68478				
Total Labour Amount (in Rs.): 21538.32705667											

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
---------------	-------------------------------	--	----------------------------------	-------------

1	<p>Earth Work (AR0102a) :.Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift -</p> <p>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>	-	18.1125	Cum
2	<p>Earth Work (AR0115) :.Filling foundation and plinth with sand well watered and rammed -</p> <p>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>	-	3.6225	Cum
i)	<p>BRM029 : Sand for filling and road blinding</p>	1	3.6225	1 Cum

3	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&P required for the work etc. complete and as per direction of Engineer-in charge.	-	2.415	Cum
i)	BRM340 : Cement	2.29	5.53035	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	1.1592	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	2.3184	1 Cum.

4	<p>R.C.C. Work (AR0404Aa) :.Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips - 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 cost conveyance, royalty,taxes of all materials, labour and T&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>	-	10.09125	Cum
i)	BRM340 : Cement	3.4733	35.049938625	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	4.5410625	1 Cum
iii)	BRM060 : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve & retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)	0.36	3.63285	1 Cum.

iv)	BRM052 : 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	5.449275	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.04041545625	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.189	1.90724625	1Mtr.
5	R.C.C. Work (AR0409) :..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.	-	5.7513	Qntl
i)	BRM162 : Binding Wire.	0.8	4.60104	1 Kg.
ii)	BRM341 : Steel	1.05	6.038865	1 Qntl.

6	Earth Work (AR0114a) :.Filling of foundation with escalated earth - Filling in foundation and plinth with excavated materials in Hard soil / Gravelly soil including watering and ramming as directed by the Engineer-in-charge.	-	18.11	Cum
---	--	---	-------	-----

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	3.6225	1 Cum	531.74	1926.22815
2	BRM340	40.580288625	1 Qntl.	459.642	18652.405024172
3	BRM028	5.7002625	1 Cum	538.16	3067.653267
4	BRM044	2.3184	1 Cum.	1596.76	3701.928384
5	BRM060	3.63285	1 Cum.	1981.51	7198.5286035
6	BRM052	5.449275	1 Cum.	1983.8	10810.271745
7	BRM104	0.04041545625	1Cum.	58620.646	2369.1801537597
8	BRM092	1.90724625	1Mtr.	276.666	527.6701910025
9	BRM162	4.60104	1 Kg.	90	414.0936
10	BRM341	6.038865	1 Qntl.	5806.592	35065.22519808
Total: 83733.184316514					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	3.6225	1 Cum	602.25	2181.650625
2	BRM028	5.7002625	1 Cum	602.25	3432.983090625
3	BRM044	2.3184	1 Cum.	551.5	1278.5976
4	BRM060	3.63285	1 Cum.	551.5	2003.516775
5	BRM052	5.449275	1 Cum.	551.5	3005.2751625
Total: 11902.023253125					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 1329.2696546217

2	Display Citizen Board @ Rs. 2768	Rs. 2768
Total Addition Component Amount (in Rs.): 4097.2696546217		

Total Net Amount (in Rs.): 137024.23511679