

ESTIMATION DPR							
State	Odisha	District	Nabarangpur	Block	Nabarangpur	Panchayat	Pujariguda
Work Code	OD/366/3517/120495/427970/00014219 (Repair of Culvert & road at Dedespali New road)						
Project Category	CD Work						
Financial Year	2023-24	Execution Level			Pujariguda, G.P		
Executing Agency	Panchayat Samiti, Nabarangpur	Proposal Date			06-03-2024		
Date of Commencement	-	Date of Completion					
Scheme Name	5th SFC Grant in Aid	Scheme Component Name			MAINTENANCE OF ROADS AND BRIDGES		
Project Sub-Category	Slab Culvert	Project Type			Repair and Maintenance		
Name of Executant							

Administrative Approval Details

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

Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	13745
Fund Sanction Amount (in Rs.)	100000

ACTIVITY STATEMENT

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

1	<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	5.85	5222.49561336	30551.599338156
---	---	-----	------	---------------	-----------------

2	<p>Concrete (AR0307) : 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&P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	0.45	6741.19705732	3033.538675794
---	---	-----	------	---------------	----------------

3	<p style="text-align: center;">R.C.C.</p> <p>Work (AR0404Ag) : 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 Roof slab, landing, balcony, sun shade)</p>	Cum	2.9	12067.537594304	34995.859023482
---	---	-----	-----	-----------------	-----------------

4	<p style="text-align: center;">Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift - 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</p>	Cum	11.25	235.56432	2650.0986
5	<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	2.25	514.258872	1157.082462

1	<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,</p>	5.85	Cubic Meter	3.9	22.815	-	-	0.18	1.053	-	-
---	--	------	-------------	-----	--------	---	---	------	-------	---	---

2	<p>Concrete (AR03 07) : 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</p>	0.45	Cubic Meter	4.6	2.07	-	-	0.68	0.306	-	-
---	---	------	-------------	-----	------	---	---	------	-------	---	---

3	<p>R.C.C. Work (AR04 04Ag) : 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</p>	2.9	Cubic Meter	1.3333	3.86657	3.11255	9.026395	3.15525	9.150225	-	-
---	---	-----	-------------	--------	---------	---------	----------	---------	----------	---	---

4	<p>Earth Work (AR01 02aa) : Earth work in hard soil or gravell y soil founda tion & plinth within 50m. Initial lead and 1.5m initial lift -</p> <p>Earth work in hard soil or gravell y soil foundat ion & plinth 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</p>	11.25	Cubic Meter	0.516	5.805	-	-	-	-	-	-
---	--	-------	-------------	-------	-------	---	---	---	---	---	---

5	<p>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.</p>	2.25	Cubic Meter	0.1236	0.2781	-	-	-	-	-	-
---	--	------	-------------	--------	--------	---	---	---	---	---	---

6	R.C.C. Work (AR04 09) : Supplying, fitting, and placing uncoated HYSB bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position - Supplying, fitting, and placing uncoated HYSB bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing	2.9	Quintal	0.8	2.32	0.044	0.1276	-	-	0.3	0.87
---	--	-----	---------	-----	------	-------	--------	---	---	-----	------

Total Qty	37.15467	10.509225	9.153995	0.87
Rate Per Man Day	452	552	502	602
Total Amount	16793.91084	5801.0922	4595.30549	523.74
Total Labour Amount (in Rs.): 27714.04853				

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	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.	-	5.85	Cum
i)	BRM340 : Cement	2.29	13.3965	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	2.808	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	5.616	1 Cum.

2	<p>Concrete (AR0307) :.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&P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	0.45	Cum
i)	BRM340 : Cement	3.23	1.4535	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.2025	1 Cum
iii)	BRM056 : 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	0.405	1 Cum.

3	<p>R.C.C. Work (AR0404Ag) :.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 Roof slab, landing, balcony, sun shade)</p>	-	2.9	Cum
i)	BRM340 : Cement	3.4733	10.07257	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.305	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	1.044	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	1.566	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	6.2216	18.04264	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0502172	0.14562988	1Cum.
4	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.	-	2.25	Cum
i)	BRM029 : Sand for filling and road blinding	1	2.25	1 Cum

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.	-	2.9	Qntl
i)	BRM162 : Binding Wire.	0.8	2.32	1 Kg.
ii)	BRM341 : Steel	1.05	3.045	1 Qntl.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM340	13.3965	1 Qntl.	552.612	7403.066658
2	BRM028	2.808	1 Cum	417.24	1171.60992
3	BRM044	5.616	1 Cum.	1401.46	7870.59936
4	BRM340	1.4535	1 Qntl.	552.612	803.221542
5	BRM028	0.2025	1 Cum	417.24	84.4911
6	BRM056	0.405	1 Cum.	1802.83	730.14615
7	BRM340	10.07257	1 Qntl.	552.612	5566.22305284
8	BRM028	1.305	1 Cum	417.24	544.4982
9	BRM060	1.044	1 Cum.	1824.88	1905.17472
10	BRM052	1.566	1 Cum.	1788.5	2800.791
11	BRM084	18.04264	1Mtr	250.166	4513.65507824
12	BRM104	0.14562988	1Cum.	58573.086	8529.9914854097
13	BRM029	2.25	1 Cum	413.05	929.3625

14	BRM162	2.32	1 Kg.	90.1	209.032
15	BRM341	3.045	1 Qntl.	6442.172	19616.41374
Total: 62678.27650649					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	2.808	1 Cum	40.25	113.022
2	BRM044	5.616	1 Cum.	149.5	839.592
3	BRM028	0.2025	1 Cum	40.25	8.150625
4	BRM056	0.405	1 Cum.	149.5	60.5475
5	BRM028	1.305	1 Cum	40.25	52.52625
6	BRM060	1.044	1 Cum.	149.5	156.078
7	BRM052	1.566	1 Cum.	149.5	234.117
8	BRM029	2.25	1 Cum	40.25	90.5625
Total: 1554.595875					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 386	Rs. 386
2	Display Citizen Board @ Rs. 2000	Rs. 2000
Total Addition Component Amount (in Rs.): 2386		

Total Net Amount (in Rs.): 99999.929215472