

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Malkangiri	<b>Block</b>	Malkangiri	<b>Panchayat</b>	Tamasa
<b>Work Code</b>	OD/364/3484/120005/430295/00015652 (Improvement Of Road From RD Road M.V-48 To Masaguda.)						
<b>Project Category</b>	Road						
<b>Financial Year</b>	2024-25			<b>Execution Level</b>	Tamasa, G.P		
<b>Executing Agency</b>	Panchayat Samiti, Malkangiri			<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>	All Weather Connectivity		
<b>Project Sub-Category</b>	CC Road			<b>Project Type</b>	Upgradation or Improvement		
<b>Name of Executant</b>	Er. SUDIPTA SAHOO						

### 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>	500000

### 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	38.6975	235.56432	9115.7502732
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	39.355	514.258872	20238.65790756

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	48.5475	5718.13758562	277601.28443789
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4	<p style="text-align: center;"><b>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 -</b></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	4.1625	8710.1454337	36255.980367776
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5	<p style="text-align: center;"><b>R.C.C.</b></p> <p><b>Work (AR0404Ag) : Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b></p> <p>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 Roof slab, landing, balcony, sun shade)</p>	Cum	5.5	12743.521698389	70089.36934114
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6	<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 and as per direction of Engineer-in charge.</p>	Cum	9	7368.46640694	66316.19766246
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1	<p><b>Earth Work (AR01 02aa) : Earth work in hard soil or gravell y soil founda tion &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b></p> <p>Earth work in hard soil or gravell y soil foundat ion &amp; 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 per the directio n of the Engine</p>	38.697 5	Cubic Meter	0.516	19.967 91	-	-	-	-	-	-
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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.	39.355	Cubic Meter	0.1236	4.864278	-	-	-	-	-	-
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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>	48.5475	Cubic Meter	3.9	189.33525	-	-	0.18	8.73855	-	-
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4	<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>	4.1625	Quintal	0.8	3.33	0.044	0.1831 5	-	-	0.3	1.2487 5
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5	<b>R.C.C. Work (AR04 04Ag) : 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	5.5	Cubic Meter	1.3333	7.33315	3.11255	17.119025	3.15525	17.353875	-	-
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6	<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</p>	9	Cubic Meter	4.6	41.4	-	-	0.68	6.12	-	-
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7	<b>Plastering (AR10 26i) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces (outside) - 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in outside with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T &amp; P required for the work, etc comp. and as per the direction of the Engineer-in-charge.</b>	60.16	Square Meter	0.12	7.2192	-	-	0.14	8.4224	-	-
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<b>Total Qty</b>	<b>273.449788</b>	<b>17.302175</b>	<b>40.634825</b>	<b>1.24875</b>
<b>Rate Per Man Day</b>	<b>452</b>	<b>502</b>	<b>552</b>	<b>602</b>
<b>Total Amount</b>	<b>123599.304176</b>	<b>8685.69185</b>	<b>22430.4234</b>	<b>751.7475</b>
<b>Total Labour Amount (in Rs.): 155467.166926</b>				

## MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<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>	-	<b>38.6975</b>	Cum
2	<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>39.355</b>	Cum
i)	<b>BRM029 : Sand for filling and road blinding</b>	1	39.355	1 Cum

3	<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&P required for the work etc. complete and as per direction of Engineer-in charge.	-	<b>48.5475</b>	Cum
i)	<b>BRM340</b> : Cement	2.29	111.173775	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	23.3028	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	46.6056	1 Cum.

4	<b>R.C.C. Work (AR0409)</b> <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.</b>	-	4.1625	Qntl
i)	<b>BRM162</b> : Binding Wire.	0.8	3.33	1 Kg.
ii)	<b>BRM341</b> : Steel	1.05	4.370625	1 Qntl.

5	<p><b>R.C.C. Work (AR0404Ag)</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 Roof slab, landing, balcony, sun shade)</p>	-	5.5	Cum
i)	<b>BRM340 : Cement</b>	3.4733	19.10315	1 Qntl.
ii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.45	2.475	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	1.98	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	2.97	1 Cum.
v)	<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	6.2216	34.2188	1Mtr
vi)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0502172	0.2761946	1Cum.
6	<b>Concrete (AR0307)</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&P required for the work etc. complete and as per direction of Engineer-in charge.	-	9	Cum
i)	<b>BRM340</b> : Cement	3.23	29.07	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	4.05	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	8.1	1 Cum.
7	<b>Plastering (AR1026i) :.6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces (outside) - 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in outside with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T &amp; P required for the work, etc comp. and as per the direction of the Engineer-in-charge.</b>	-	<b>60.16</b>	Sqm
i)	<b>BRM340</b> : Cement	0.0271	1.630336	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.0075	0.4512	1 Cum

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	39.355	1 Cum	413.05	16255.58275
2	<b>BRM340</b>	160.977261	1 Qntl.	670.037	107860.72102866
3	<b>BRM028</b>	30.279	1 Cum	808.59	24483.29661
4	<b>BRM044</b>	46.6056	1 Cum.	1362.4	63495.46944
5	<b>BRM162</b>	3.33	1 Kg.	90.1	300.033
6	<b>BRM341</b>	4.370625	1 Qntl.	6452.357	28200.832813125
7	<b>BRM060</b>	1.98	1 Cum.	1785.82	3535.9236
8	<b>BRM052</b>	2.97	1 Cum.	1749.44	5195.8368
9	<b>BRM084</b>	34.2188	1Mtr	345.286	11815.2725768
10	<b>BRM104</b>	0.2761946	1Cum.	58668.206	16203.841688888

11	<b>BRM056</b>	8.1	1 Cum.	1763.77	14286.537
<b>Total: 291633.34730747</b>					

## ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM029</b>	39.355	1 Cum	40.25	1584.03875
2	<b>BRM028</b>	30.279	1 Cum	40.25	1218.72975
3	<b>BRM044</b>	46.6056	1 Cum.	149.5	6967.5372
4	<b>BRM060</b>	1.98	1 Cum.	149.5	296.01
5	<b>BRM052</b>	2.97	1 Cum.	149.5	444.015
6	<b>BRM056</b>	8.1	1 Cum.	149.5	1210.95
<b>Total: 11721.2807</b>					

## ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 4893.9075783437
2	Display Citizen Board @ Rs. 4500	Rs. 4500
3	Any Other Lumpsum @ Rs. 1215	Rs. 1215
<b>Total Addition Component Amount (in Rs.): 10608.907578344</b>		

**Total Net Amount (in Rs.): 499999.66541272**