

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Khordha	<b>Block</b>	Tangi	<b>Gram Panchayat</b>	Nuagarh

<b>Work Code</b>	OD/362/3465/119695/408004/00061411 (IMPROVEMENT OF ROAD FROM BRUNDABANPUR TO NUAGARH NEAR HILL)						
<b>Project Category</b>	Road						

<b>Financial Year</b>	2022-23	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Tangi	<b>Proposal Date</b>	-
<b>Date of Commencement</b>	28-10-2025	<b>Date of Completion</b>	11-12-2025
<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>	PRASANNA KUMAR PANDA		

### Administrative Approval Details

<b>Approval No.</b>	OD/362/3465/119695/408004/00061411/AS
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### Technical Sanction Details

<b>Technical Sanction No.</b>	OD/362/3465/119695/408004/00061411/TS
<b>Fund Sanction No.</b>	
<b>Fund Sanction Amount (in Rs.)</b>	467000

### ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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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>	Cum	4.32225	240.77592	202409.65511893
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>	Cum	8.7645625	1257.907732	202409.65511893

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>	Cum	42.6221875	5495.7343615	202409.65511893
4	<p><b>R.C.C. 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 R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc</p>	Sqm	52.8275	216.23489289764	202409.65511893

5	<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&P required for the work etc. complete as per specificaion and direction of Engineer-in charge.	Cum	29.0983475	6956.0532645	202409.65511893
<b>Total Amount (in Rs.): 460138.72898609</b>					

## LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	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 -</b> 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	-	4.32225	Cum

	i	Un-Skilled	0.516	2.230281	-
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.	-	8.7645625	Cum
	i	Un-Skilled	0.1236	1.083299925	-
3		<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&P required for the work etc. complete and as per direction of Engineer-in charge.	-	42.6221875	Cum
	i	Skilled	0.18	7.67199375	-
	ii	Un-Skilled	3.9	166.22653125	-

4	<p><b>R.C.C. Work (AR0410c) : 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 R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc</p>	-	52.8275	Sqm
i	Semi-Skilled	0.05	2.641375	-
ii	Skilled	0.05	2.641375	-
5	<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 specifaion and direction of Engineer-in charge.</p>	-	29.0983475	Cum
i	Un-Skilled	4.6	133.8523985	-
ii	Skilled	0.68	19.7868763	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	303.392510675	462	140167.33993185
1	Skilled	30.10024505	562	16916.3377181
2	Semi-Skilled	2.641375	512	1352.384
<b>Total:</b>				<b>158436.06164995</b>

## MATERIAL STATEMENT

SI.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 -</b> 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	-	<b>4.32225</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>8.7645625</b>	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	8.7645625	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>42.6221875</b>	Cum
i)	<b>BRM340</b> : Cement	2.29	97.604809375	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	20.45865	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	40.9173	1 Cum.
4	<p><b>R.C.C. Work (AR0410c) :.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 R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc</p>	-	<b>52.8275</b>	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.141049425	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.126	6.656265	1Mtr.

5	<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 as per specifaion and direction of Engineer-in charge.	-	29.0983475	Cum
i)	<b>BRM340</b> : Cement	3.23	93.987662425	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	13.094256375	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	26.18851275	1 Cum.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	8.7645625	1 Cum	1148.1	10062.59420625
2	<b>BRM340</b>	191.5924718	1 Qntl.	569.387	109090.26274079
3	<b>BRM028</b>	33.552906375	1 Cum	1154.49	38736.494880874
4	<b>BRM044</b>	40.9173	1 Cum.	1336.36	54680.243028
5	<b>BRM104</b>	0.141049425	1Cum.	58573.086	8261.7001007756
6	<b>BRM092</b>	6.656265	1Mtr.	229.106	1524.99024909
7	<b>BRM056</b>	26.18851275	1 Cum.	1713.82	44882.396921205
<b>Total: 267238.68212698</b>					

## ROYALTY STATEMENT

SI.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>	-	4.32225	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>	-	8.7645625	Cum
i)	<p><b>BRM029 : Sand for filling and road blinding</b></p>	1	8.7645625	1 Cum
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>	-	42.6221875	Cum
i)	<p><b>BRM340 : Cement</b></p>	2.29	97.604809375	1 Qntl.
ii)	<p><b>BRM028 : Screened and washed sharp sand for mortar</b></p>	0.48	20.45865	1 Cum

iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	40.9173	1 Cum.
4	<b>R.C.C. Work (AR0410c) :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 R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc	-	<b>52.8275</b>	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.141049425	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.000614	0.032436085	1Mtr.
5	<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&P required for the work etc. complete as per specificaion and direction of Engineer-in charge.	-	<b>29.0983475</b>	Cum
i)	<b>BRM340</b> : Cement	3.23	93.987662425	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	13.094256375	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	26.18851275	1 Cum.
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S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM029</b>	8.7645625	1 Cum	40.25	352.773640625
2	<b>BRM028</b>	33.552906375	1 Cum	43.25	1451.1632007188
3	<b>BRM044</b>	40.9173	1 Cum.	158.5	6485.39205
4	<b>BRM056</b>	26.18851275	1 Cum.	158.5	4150.879270875
<b>Total: 12440.208162219</b>					

#### ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 4670	Rs. 4670
2	Display Citizen Board @ Rs. 2191	Rs. 2191
<b>Total Addition Component Amount (in Rs.): 6861</b>		

**Total Net Amount (in Rs.): 466999.72898609**