

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Jagatsinghpur	<b>Block</b>	Tirtol	<b>Gram Panchayat</b>	Kolar

<b>Work Code</b>	OD/355/3393/118223/397519/00066219 (IMPROVEMENT OF ROAD FROM NARENDRA JENA HOUSE TO HOLDING SHOP, VILL- NAGAPURA, GP- KOLAR)
<b>Project Category</b>	Road

<b>Financial Year</b>	2022-23	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Tirtol	<b>Proposal Date</b>	-
<b>Date of Commencement</b>	01-12-2025	<b>Date of Completion</b>	30-01-2026
<b>Scheme Name</b>	5th SFC Grant in Aid	<b>Scheme Component Name</b>	Maintenance and improvement of Road infrastructure
<b>Project Sub-Category</b>	CC Road	<b>Project Type</b>	Upgradation or Improvement
<b>Name of Executant</b>	LIPSA SAMAL		

### Administrative Approval Details

<b>Approval No.</b>	OD/355/3393/118223/397519/00066219/AS
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### Technical Sanction Details

<b>Technical Sanction No.</b>	OD/355/3393/118223/397519/00066219/TS
<b>Fund Sanction No.</b>	
<b>Fund Sanction Amount (in Rs.)</b>	300000

### ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
1	<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>	Cum	19.72	798.771832	8779.1366516442

2	<p><b>Earth Work (AR0101a) :</b>  <b>Earthwork in ordinary soil within 50m, initial lead and 1.5m, initial lift</b> - Earth work in ordinary 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 direction of the Engineer-in-charge.</p>	Cum	3.48	149.3184	8779.1366516442
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	20.0912	6775.74905228	8779.1366516442

4	<p><b>Concrete (AR0307) : First floor -</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 specification and direction of Engineer-in charge.</p>	Cum	15.66	8602.18831736	8779.1366516442
5	<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>	Sqm	40.6	216.23489289764	8779.1366516442
<b>Total Amount (in Rs.): 295893.74361971</b>					

## LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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1	<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.	-	19.72	Cum
i	Un-Skilled	0.1236	2.437392	-
2	<b>Earth Work (AR0101a) : Earthwork in ordinary soil within 50m, initial lead and 1.5m, initial lift -</b> Earth work in ordinary 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 direction of the Engineer-in-charge.	-	3.48	Cum
i	Un-Skilled	0.32	1.1136	-

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>	-	20.0912	Cum
i	Skilled	0.18	3.616416	-
ii	Un-Skilled	3.9	78.35568	-
4	<p><b>Concrete (AR0307) :</b>  <b>First floor -</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>	-	15.66	Cum
i	Un-Skilled	5.29	82.8414	-
ii	Skilled	0.782	12.24612	-

5	<b>R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - 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>	-	40.6	Sqm
i	Semi-Skilled	0.05	2.03	-
ii	Skilled	0.05	2.03	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	164.748072	462	76113.609264
1	Skilled	17.892536	562	10055.605232
2	Semi-Skilled	2.03	512	1039.36
<b>Total: 87208.574496</b>				

## MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	<b>Earth Work (AR0115)</b> :.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.	-	19.72	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	19.72	1 Cum
2	<b>Earth Work (AR0101a)</b> :.Earthwork in ordinary soil within 50m, initial lead and 1.5m, initial lift - Earth work in ordinary 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 direction of the Engineer-in-charge.	-	3.48	Cum
3	<b>Concrete (AR0303)</b> :.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.	-	20.0912	Cum
i)	<b>BRM340</b> : Cement	2.29	46.008848	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	9.643776	1 Cum

iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	19.287552	1 Cum.
4	<b>Concrete (AR0307) :.First floor -</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>15.66</b>	Cum
i)	<b>BRM340</b> : Cement	3.23	50.5818	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	7.047	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	14.094	1 Cum.
5	<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>40.6</b>	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.108402	1Cum.



ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.126	5.1156	1Mtr.
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Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	19.72	1 Cum	534.51	10540.5372
2	<b>BRM340</b>	96.590648	1 Qntl.	603.877	58328.870742296
3	<b>BRM028</b>	16.690776	1 Cum	543.02	9063.42518352
4	<b>BRM044</b>	19.287552	1 Cum.	2501.16	48241.25356032
5	<b>BRM056</b>	14.094	1 Cum.	2902.53	40908.25782
6	<b>BRM104</b>	0.108402	1Cum.	58573.086	6349.439668572
7	<b>BRM092</b>	5.1156	1Mtr.	229.106	1172.0146536
<b>Total: 174603.79882831</b>					

## ROYALTY STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<b>Earth Work (AR0115)</b> :.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.	-	19.72	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	19.72	1 Cum
2	<b>Earth Work (AR0101a)</b> :.Earthwork in ordinary soil within 50m, initial lead and 1.5m, initial lift - Earth work in ordinary 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 direction of the Engineer-in-charge.	-	3.48	Cum

3	<b>Concrete (AR0303)</b> :.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.	-	20.0912	Cum
i)	<b>BRM340</b> : Cement	2.29	46.008848	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	9.643776	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	19.287552	1 Cum.
4	<b>Concrete (AR0307)</b> :.First floor - 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.	-	15.66	Cum
i)	<b>BRM340</b> : Cement	3.23	50.5818	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	7.047	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	14.094	1 Cum.
5	<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	-	40.6	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.108402	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.000614	0.0249284	1Mtr.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM029</b>	19.72	1 Cum	199.25	3929.21
2	<b>BRM028</b>	16.690776	1 Cum	199.25	3325.637118
3	<b>BRM044</b>	19.287552	1 Cum.	444.5	8573.316864
4	<b>BRM056</b>	14.094	1 Cum.	444.5	6264.783
<b>Total: 22092.946982</b>					

#### ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 1%	Rs. 2958.9374361971
2	Display Citizen Board @ Rs. 1147	Rs. 1147
<b>Total Addition Component Amount (in Rs.): 4105.9374361971</b>		

**Total Net Amount (in Rs.): 299999.68105591**