

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Kendujhar	<b>Block</b>	Kendujhar Sadar	<b>Gram Panchayat</b>	Sirispal

<b>Work Code</b>	OD/361/3452/119472/386211/00013827 (Maintainance and Improvement of road from Labana Jena house to Hidyadhan Pradhan house)
<b>Project Category</b>	Road

<b>Financial Year</b>	2020-21	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Kendujhar Sadar	<b>Proposal Date</b>	14-07-2021
<b>Date of Commencement</b>	03-04-2025	<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>	Repair and Maintenance
<b>Name of Executant</b>	Manoj Kumar Sahoo		

### Administrative Approval Details

<b>Approval No.</b>	OD/361/3452/119472/386211/00013827/AS
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### Technical Sanction Details

<b>Technical Sanction No.</b>	OD/361/3452/119472/386211/00013827/TS
<b>Fund Sanction No.</b>	311
<b>Fund Sanction Amount (in Rs.)</b>	400000

### ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	<p><b>Earth Work (AR0122Ai1) :</b>  <b>Earthwork in all kinds of soil within 50m to 75m 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</b> - Earthwork in all kinds of soil within 50m to 75m 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	29.356577180176	229.87334168	13559.855117616
2	<p><b>Earth Work (AR0115) :</b>  <b>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	17.690861830264	901.755472	13559.855117616

3	<p><b>Concrete (AR0309) :</b>  <b>Second floor -</b>  Cement Concrete (1:3:6) with 12mm size hard granite (Crusher Broken) chips 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 as per specification and direction of Engineer-in charge.</p>	Cum	29.356577180176	7527.0386754	13559.855117616
4	<p><b>Concrete (AR0307) :</b>  <b>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 specification and direction of Engineer-in charge.</p>	Cum	17.698	7514.74831668	13559.855117616

5	<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	Sqm	63.003191383	215.22489289764	13559.855117616
<b>Total Amount (in Rs.): 390225.0885953</b>					

#### LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<b>Earth Work (AR0122Ai1) :</b> <b>Earthwork in all kinds of soil within 50m to 75m 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</b> - Earthwork in all kinds of soil within 50m to 75m 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.	-	29.356577180176	Cum
i	Un-Skilled	0.503534	14.782034733843	-

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.	-	17.690861830264	Cum
i	Un-Skilled	0.1236	2.1865905222206	-
3	<b>Concrete (AR0309) : Second floor - Cement Concrete (1:3:6) with 12mm size hard granite (Crusher Broken) chips</b> 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 as per specificaion and direction of Engineer-in charge.	-	29.356577180176	Cum
i	Skilled	0.8993	26.400369858132	-
ii	Un-Skilled	6.0835	178.5907372756	-

4	<p><b>Concrete (AR0307) :</b>  <b>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>	-	17.698	Cum
i	Un-Skilled	4.6	81.4108	-
ii	Skilled	0.68	12.03464	-
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>	-	63.003191383	Sqm
i	Semi-Skilled	0.05	3.15015956915	-
ii	Skilled	0.05	3.15015956915	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	276.97016253166	452	125190.51346431
1	Skilled	41.585169427282	552	22955.01352386
2	Semi-Skilled	3.15015956915	502	1581.3801037133
<b>Total:</b>				<b>149726.90709189</b>

## MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<b>Earth Work (AR0122Ai1)</b> :.Earthwork in all kinds of soil within 50m to 75m 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 - Earthwork in all kinds of soil within 50m to 75m 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.	-	<b>29.356577180176</b>	Cum
2	<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.	-	<b>17.690861830264</b>	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	17.690861830264	1 Cum

3	<b>Concrete (AR0309) :.Second floor -</b> Cement Concrete (1:3:6) with 12mm size hard granite (Crusher Broken) chips 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 as per specificaion and direction of Engineer-in charge.	-	<b>29.356577180176</b>	Cum
i)	<b>BRM340</b> : Cement	2.15	63.116640937378	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	13.210459731079	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	26.420919462158	1 Cum.
4	<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>17.698</b>	Cum
i)	<b>BRM340</b> : Cement	3.23	57.16454	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	7.9641	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	15.9282	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>63.003191383</b>	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.16821852099261	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.126	7.938402114258	1Mtr.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	17.690861830264	1 Cum	786.71	13917.577910487
2	<b>BRM340</b>	120.28118093738	1 Qntl.	570.024	68563.159882648
3	<b>BRM028</b>	21.174559731079	1 Cum	796.71	16869.983483348
4	<b>BRM056</b>	42.349119462158	1 Cum.	2101.71	89005.567864813
5	<b>BRM104</b>	0.16821852099261	1Cum.	58573.086	9853.077896893
6	<b>BRM092</b>	7.938402114258	1Mtr.	229.106	1818.7355547892
<b>Total: 200028.10259298</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 (AR0122Ai1)</b>  <b>:.Earthwork in all kinds of soil within 50m to 75m 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</b> - Earthwork in all kinds of soil within 50m to 75m 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>	-	29.356577180176	Cum
2	<p><b>Earth Work (AR0115)</b>  <b>:.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>	-	17.690861830264	Cum
i)	<p><b>BRM029</b> : Sand for filling and road blinding</p>	1	17.690861830264	1 Cum
3	<p><b>Concrete (AR0309)</b>  <b>:.Second floor -</b>  Cement Concrete (1:3:6) with 12mm size hard granite (Crusher Broken) chips 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 as per specifaion and direction of Engineer-in charge.</p>	-	29.356577180176	Cum
i)	<p><b>BRM340</b> : Cement</p>	2.15	63.116640937378	1 Qntl.

ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	13.210459731079	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	26.420919462158	1 Cum.
4	<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 specificaion and direction of Engineer-in charge.	-	<b>17.698</b>	Cum
i)	<b>BRM340</b> : Cement	3.23	57.16454	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	7.9641	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	15.9282	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>63.003191383</b>	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.16821852099261	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.000614	0.038683959509162	1Mtr.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM029</b>	17.690861830264	1 Cum	50.25	888.96580697077
2	<b>BRM028</b>	21.174559731079	1 Cum	50.25	1064.0216264867
3	<b>BRM056</b>	42.349119462158	1 Cum.	424.5	17977.201211686
<b>Total: 19930.188645144</b>					

#### ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 5000	Rs. 5000
2	Display Citizen Board @ Rs. 4500	Rs. 4500
3	Any Other Lumpsum @ Rs. 274.91	Rs. 274.91
<b>Total Addition Component Amount (in Rs.): 9774.91</b>		

**Total Net Amount (in Rs.): 399999.9985953**