

ESTIMATION DPR							
State	Odisha	District	Nabarangpur	Block	Raighar	Gram Panchayat	Naktisimoda

Work Code	OD/366/3520/120549/427209/00085997 (Gouda sahi road )						
Project Category	Road						

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Raighar	Proposal Date	-
Date of Commencement	-	Date of Completion	
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	All Weather Connectivity
Project Sub-Category	CC Road	Project Type	New Work
Name of Executant			

### Administrative Approval Details

Approval No.	
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### Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	12345
Fund Sanction Amount (in Rs.)	600000

### 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>Road Work (AR1341e) : Providing, laying, spreading and compacting Grading-III stone aggregates of specific sizes using moorum or gravel to water bound macadam -</b></p> <p>Providing, laying, spreading and compacting Grading-III stone aggregates of specific sizes using moorum or gravel to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/binding materials to fill up the interstices of coarse aggregate, watering and compacting to the required density as per Clause 404 of MoRT&amp;H Specifications for Road &amp; Bridge works(Last Revision).</p>	Cum	0.4530688	1786.3623846167	809.34506196343
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2	<p style="text-align: center;"><b>Road Work (AR1322a) :</b>  <b>Laying 6mm thick precoated seal coat Type-B (VG-30) bitumen (from Paradip) -</b> Laying 6mm thick precoated seal coat Type-B using 0.06 cum of 6.7mm size chips as per sieve analysis and 6.8Kg of viscosity grade (VG-30) bitumen (from Paradip) per 10sqm.including cost conveyance, royalty, taxes, cess etc. of all materials, hire and running charges of PRR, hot mix plant, tar boiler and all other T&amp;P articles etc. required for the work complete as per specification and direction of the Engineer-in-Charge.</p>	Sqm	1.114836	74.067610983772	82.573239158704
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3	<p style="text-align: center;"><b>Road Work (AR1344a) : Providing and applying tack coat with bitumen emulsion rapid setting (packed) using emulsion pressure distributor -</b></p> <p>Providing and applying tack coat with bitumen emulsion rapid setting (packed) (from Bhubaneswar) using emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous/granular surface cleaned with mechanical broom as per MoRT&amp;H Specifications for Road &amp; Bridge works (Last Revision) including cost conveyance, taxes, cess etc. of all materials and direction of the Engineer-in-Charge.</p>	Sqm	2.229672	13.427048502857	29.937914089462
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4	<p align="center"><b>Concrete (AR0304) :</b>  <b>Cement concrete (1:4:8) with 4 cm. hard granite(Crusher Broken) metal -</b>  Cement concrete (1:4:8) 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	10.194048	4958.0454792	50542.553601148
5	<p align="center"><b>Concrete (AR0317) : First floor -</b> 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting 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. (new work)</p>	Sqm	33.44508	382.423789756	12790.194242293
<b>Total Amount (in Rs.): 64254.604058652</b>					

### LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Meaurement Qty)	Unit
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1	<b>Road Work (AR1341e) : Providing, laying, spreading and compacting Grading-III stone aggregates of specific sizes using moorum or gravel to water bound macadam -</b> Providing, laying, spreading and compacting Grading-III stone aggregates of specific sizes using moorum or gravel to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/binding materials to fill up the interstices of coarse aggregate, watering and compacting to the required density as per Clause 404 of MoRT&H Specifications for Road & Bridge works(Last Revision).	-	0.4530688	Cum
i	Un-Skilled	0.694444444444444	0.314631111111111	-
ii	Skilled	0.0055555555555556	0.0025170488888889	-
iii	Semi-Skilled	0.028	0.0126859264	-

2	<b>Road Work (AR1322a) : Laying 6mm thick precoated seal coat Type-B (VG-30) bitumen (from Paradip) -</b> Laying 6mm thick precoated seal coat Type-B using 0.06 cum of 6.7mm size chips as per sieve analysis and 6.8Kg of viscosity grade (VG-30) bitumen (from Paradip) per 10sqm.including cost conveyance, royalty, taxes, cess etc. of all materials, hire and running charges of PRR, hot mix plant, tar boiler and all other T&P articles etc. required for the work complete as per specification and direction of the Engineer-in-Charge.	-	1.114836	Sqm
i	Un-Skilled	0.050772626931567	0.056603152317881	-
ii	Semi-Skilled	0.0015282730514519	0.0017037738155884	-

3	<p><b>Road Work (AR1344a) : Providing and applying tack coat with bitumen emulsion rapid setting (packed) using emulsion pressure distributor</b> - Providing and applying tack coat with bitumen emulsion rapid setting (packed) (from Bhubaneswar) using emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous/granular surface cleaned with mechanical broom as per MoRT&amp;H Specifications for Road &amp; Bridge works (Last Revision) including cost conveyance, taxes, cess etc. of all materials and direction of the Engineer-in-Charge.</p>	-	2.229672	Sqm
i	Un-Skilled	0.00057142857142857	0.0012740982857143	-
ii	Semi-Skilled	2.2857142857143E-5	5.0963931428571E-5	-
4	<p><b>Concrete (AR0304) : Cement concrete (1:4:8) with 4 cm. hard granite(Crusher Broken) metal</b> - Cement concrete (1:4:8) 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>	-	10.194048	Cum

	i	Un-Skilled	3.9	39.7567872	-
	ii	Skilled	0.18	1.83492864	-
5		<b>Concrete (AR0317) :</b> <b>First floor - 2.5 cm</b> thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting 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 specification and direction of Engineer-in charge. (new work)	-	33.44508	Sqm
	i	Un-Skilled	0.414	13.84626312	-
	ii	Highly-Skilled	0.115	3.8461842	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	53.975558681715	462	24936.708110952
2	Skilled	1.8374456888889	562	1032.6444771556
3	Semi-Skilled	0.014440664147017	512	7.3936200432727
4	Highly-Skilled	3.8461842	612	2353.8647304
<b>Total: 28330.610938551</b>				

## MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Measurement Qty)	Unit
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1	<b>Road Work (AR1341e)</b> <b>∴.Providing, laying, spreading and compacting Grading-III stone aggregates of specific sizes using moorum or gravel to water bound macadam -</b> Providing, laying, spreading and compacting Grading-III stone aggregates of specific sizes using moorum or gravel to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/binding materials to fill up the interstices of coarse aggregate, watering and compacting to the required density as per Clause 404 of MoRT&H Specifications for Road & Bridge works(Last Revision).	-	<b>0.4530688</b>	Cum
i)	<b>BRMMR0037</b> : Cost of water	0.4	0.18122752	KL
ii)	<b>BRM077</b> : I.R.C.Grade III (53mm. to 22.4mm.)	1.21	0.548213248	1 Cum.
iii)	<b>BRM025</b> : Gravel or moorum	0.29330555555556	0.13288759608889	1 Cum

2	<p><b>Road Work (AR1322a) :.Laying 6mm thick precoated seal coat Type-B (VG-30) bitumen (from Paradip) -</b> Laying 6mm thick precoated seal coat Type-B using 0.06 cum of 6.7mm size chips as per sieve analysis and 6.8Kg of viscosity grade (VG-30) bitumen (from Paradip) per 10sqm.including cost conveyance, royalty, taxes, cess etc. of all materials, hire and running charges of PRR, hot mix plant, tar boiler and all other T&amp;P articles etc. required for the work complete as per specification and direction of the Engineer-in-Charge.</p>	-	1.114836	Sqm
i)	<b>BRM350 : PARADIP BULK VG-30</b>	0.00068	0.00075808848	1 MT
ii)	<b>BRM062 : Granite Stone broken chips 6.7mm size (Passing through 11.2mm sieve &amp; retained on 2.8mm sieve)</b>	0.006	0.006689016	1 Cum.
iii)	<b>BRM106 : Fire wood</b>	0.0020376974019358	0.0022716984207845	1Qntl
3	<p><b>Road Work (AR1344a) :.Providing and applying tack coat with bitumen emulsion rapid setting (packed) using emulsion pressure distributor -</b> Providing and applying tack coat with bitumen emulsion rapid setting (packed) (from Bhubaneswar) using emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous/granular surface cleaned with mechanical broom as per MoRT&amp;H Specifications for Road &amp; Bridge works (Last Revision) including cost conveyance, taxes, cess etc. of all materials and direction of the Engineer-in-Charge.</p>	-	2.229672	Sqm

i)	<b>BRM355</b> : Rapid Setting emulsion	0.0002	0.0004459344	1 MT
4	<b>Concrete (AR0304)</b> :.Cement concrete (1:4:8) with 4 cm. hard granite(Crusher Broken) metal - Cement concrete (1:4:8) 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>10.194048</b>	Cum
i)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	9.78628608	1 Cum.
ii)	<b>BRM340</b> : Cement	1.72	17.53376256	1 Qntl.
iii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	4.89314304	1 Cum
5	<b>Concrete (AR0317)</b> :.First floor - 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting 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. (new work)	-	<b>33.44508</b>	Sqm
i)	<b>BRM340</b> : Cement	0.1208	4.040165664	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.0169	0.565221852	1 Cum
iii)	<b>BRM064</b> : Granite stone broken chips of 4.7 mm size passing through 6.7 mm sieve (crusher broken.) and retained on 2.36 mm sieve.	0.0169	0.565221852	1 Cum.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRMMR0037	0.18122752	KL	10	1.8122752
2	BRM077	0.548213248	1 Cum.	990.88	543.21354317824
3	BRM025	0.13288759608889	1 Cum	470.73	62.554178106923
4	BRM350	0.00075808848	1 MT	40773.1	30.909617403888
5	BRM062	0.006689016	1 Cum.	1363.67	9.12161044872
6	BRM106	0.00227169842078 45	1Qntl	676.01	1.5356908494345
7	BRM355	0.0004459344	1 MT	50100.44	22.341509651136
8	BRM044	9.78628608	1 Cum.	1440.52	14097.340823962
9	BRM340	21.573928224	1 Qntl.	598.866	12919.892099794
10	BRM028	5.458364892	1 Cum	534.42	2917.0593655826
11	BRM064	0.565221852	1 Cum.	1295.47	732.22795261044
<b>Total: 31338.008666787</b>					

#### ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM025	0.13288759608889	1 Cum	40.25	5.3487257425778
2	BRM062	0.006689016	1 Cum.	149.5	1.000007892
3	BRM044	9.78628608	1 Cum.	149.5	1463.04976896
4	BRM028	5.458364892	1 Cum	40.25	219.699186903
5	BRM064	0.565221852	1 Cum.	149.5	84.500666874
<b>Total: 1773.5983563716</b>					

#### ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for PH Work @ 2%	Rs. 1285.092081173
2	Provision for EI Work @ Rs. 3	Rs. 3
3	Provision for Contingency @ Rs. 10	Rs. 10
4	Display Citizen Board @ 2%	Rs. 1285.092081173

5	Any Other Lumpsum @ 5%	Rs. 3212.7302029326
6	Provision for survey investigation and quality control @ Rs. 10	Rs. 10
<b>Total Addition Component Amount (in Rs.): 5805.9143652787</b>		

**Total Net Amount (in Rs.): 70060.518423931**