

ESTIMATION DPR							
State	Odisha	District	Nabarangpur	Block	Raighar	Gram Panchayat	Bobei

Work Code	OD/366/3520/120531/427237/00085971 (Kumarsahi 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	Chief Minister Special Assistant	Scheme Component Name	Chief Minister Special Assistance (CM-SA)
Project Sub-Category	CC Road	Project Type	New Work
Name of Executant			

Administrative Approval Details

Approval No.	
---------------------	--

Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	OD/366/2025-26/00009
Fund Sanction Amount (in Rs.)	500000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
-----	----------------	------	----------	---------------------	----------------

1	<p style="text-align: center;">Road Work (AR1341a) : Providing, laying, spreading and compacting Grading-I stone aggregates of specific sizes using moorum or gravel to water bound macadam -</p> <p>Providing, laying, spreading and compacting Grading-I 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).</p>	Cum	5.4368256	2229.8780561111	12123.458100343
---	---	-----	-----------	-----------------	-----------------

2	<p style="text-align: center;">Road Work (AR1341c) : Providing, laying, spreading and compacting Grading-II stone aggregates of specific sizes using moorum or gravel to water bound macadam -</p> <p>Providing, laying, spreading and compacting Grading-II 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).</p>	Cum	5.4368256	1672.0982414667	9090.9065249211
---	---	-----	-----------	-----------------	-----------------

3	<p style="text-align: center;">Road Work (AR1341f) : Providing, laying, spreading and compacting Grading-III stone aggregates of specific sizes using stone screened dust to water bound macadam -</p> <p>Providing, laying, spreading and compacting Grading-III stone aggregates of specific sizes using stone screened dust 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).</p>	Cum	14.4982016	1884.5234031111	27322.200218223
---	---	-----	------------	-----------------	-----------------

4	<p style="text-align: center;">Road Work (AR1354b) : Providing and laying 25 mm thick mastic asphalt wearing course with paving grade bitumen (packed) (from Haldia) -</p> <p>Providing and laying 25 mm thick mastic asphalt wearing course with paving grade bitumen (packed) (from Haldia) meeting the requirements given in table 500-29, prepared by using mastic cooker and laid to required level and slope after cleaning the surface, including providing antiskid surface with bitumen precoated fine grained hard stone chipping of 13.2mm nominal size @ 0.005cum per 10sqm and at an approximate spacing of 10cm center to center in both directions, pressed into surface when the temperature of surfaces is not less than 100 degree centigrade, protruding 1 mm to 4 mm over mastic surface all complete as per MoRT&H Specifications for Road & Bridge works (Last Revision) including cost conveyance, taxes, cess etc. of all materials and direction of the Engineer-in-Charge.</p>	Sqm	23.783168	1255.5043303729	29859.870413986
---	---	-----	-----------	-----------------	-----------------

5	<p style="text-align: center;">Masonry Stone Work (AR0717) : Laterite stone masonry - Laterite stone masonry in cement mortar (1:6) in foundation and plinth cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in-charge.</p>	Cum	0.9061376	5269.36793576	4774.7724148265
6	<p style="text-align: center;">Road Work (AR1309i) : metal and packing the voids with small stones and hand packing the same to proper camber including conveying spreading of crusher dust - Supplying & spreading metal and packing the voids with small stones and hand packing the same to proper camber including conveying spreading of crusher dust and filling the interstices by spreading the same over the surface, watering, and consolidation with PRR including cost, conveyance, royalty, taxes cost of all labour & material, hire charges of T & P materials required for work as per specification and direction of Engineer-in-Charge.(To be used for minor repair works only)</p>	Cum	0.9061376	2139.0739384367	1938.2953247976

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	Road Work (AR1341a) : Providing, laying, spreading and compacting Grading-I stone aggregates of specific sizes using moorum or gravel to water bound macadam - Providing, laying, spreading and compacting Grading-I 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).	-	5.4368256	Cum
i	Un-Skilled	0.6944444444444444	3.77557333333333	-
ii	Skilled	0.0055555555555556	0.030204586666667	-
iii	Semi-Skilled	0.028	0.1522311168	-

2	Road Work (AR1341c) : Providing, laying, spreading and compacting Grading-II stone aggregates of specific sizes using moorum or gravel to water bound macadam - Providing, laying, spreading and compacting Grading-II 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).	-	5.4368256	Cum
i	Un-Skilled	0.694444444444444	3.77557333333333	-
ii	Skilled	0.0055555555555556	0.030204586666667	-
iii	Semi-Skilled	0.028	0.1522311168	-

3	<p>Road Work (AR1341f) : Providing, laying, spreading and compacting Grading-III stone aggregates of specific sizes using stone screened dust to water bound macadam - Providing, laying, spreading and compacting Grading-III stone aggregates of specific sizes using stone screened dust 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).</p>	-	14.4982016	Cum
i	Un-Skilled	0.694444444444444	10.0681955555556	-
ii	Skilled	0.0055555555555556	0.080545564444444	-
iii	Semi-Skilled	0.028	0.4059496448	-

4	<p>Road Work (AR1354b) : Providing and laying 25 mm thick mastic asphalt wearing course with paving grade bitumen (packed) (from Haldia)</p> <p>- Providing and laying 25 mm thick mastic asphalt wearing course with paving grade bitumen (packed) (from Haldia) meeting the requirements given in table 500-29, prepared by using mastic cooker and laid to required level and slope after cleaning the surface, including providing antiskid surface with bitumen precoated fine grained hard stone chipping of 13.2mm nominal size @ 0.005cum per 10sqm and at an approximate spacing of 10cm center to center in both directions, pressed into surface when the temperature of surfaces is not less than 100 degree centigrade, protruding 1 mm to 4 mm over mastic surface all complete as per MoRT&H Specifications for Road & Bridge works (Last Revision) including cost conveyance, taxes, cess etc. of all materials and direction of the Engineer-in-Charge.</p>	-	23.783168	Sqm
i	Skilled	0.028571428571429	0.67951908571429	-
ii	Un-Skilled	0.28571428571429	6.7951908571429	-
iii	Semi-Skilled	0.012571428571429	0.29898839771429	-

5	Masonry Stone Work (AR0717) : Laterite stone masonry - Laterite stone masonry in cement mortar (1:6) in foundation and plinth cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in-charge.	-	0.9061376	Cum
i	Un-Skilled	1.21	1.096426496	-
ii	Skilled	1.05	0.95144448	-
iii	Highly-Skilled	2.295	2.079585792	-
iv	Semi-Skilled	1.41	1.277654016	-

6	<p>Road Work (AR1309i) : metal and packing the voids with small stones and hand packing the same to proper camber including conveying spreading of crusher dust - Supplying & spreading metal and packing the voids with small stones and hand packing the same to proper camber including conveying spreading of crusher dust and filling the interstices by spreading the same over the surface, watering, and consolidation with PRR including cost, conveyance, royalty, taxes cost of all labour & material, hire charges of T & P materials required for work as per specification and direction of Engineer-in-Charge.(To be used for minor repair works only)</p>	-	0.9061376	Cum
i	Un-Skilled	1.4134275618375	1.2807598586572	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	26.791719434022	462	12377.774378518
2	Skilled	1.7719183034921	562	995.81808656254
3	Semi-Skilled	2.2870542921143	512	1170.9717975625
4	Highly-Skilled	2.079585792	612	1272.706504704
Total:				15817.270767347

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
--------	------------------------	---	---------------------------	------

1	Road Work (AR1341a) ∴.Providing, laying, spreading and compacting Grading-I stone aggregates of specific sizes using moorum or gravel to water bound macadam - Providing, laying, spreading and compacting Grading-I 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).	-	5.4368256	Cum
i)	BRMMR0037 : Cost of water	0.4	2.17473024	KL
ii)	BRM025 : Gravel or moorum	0.3	1.63104768	1 Cum
iii)	BRM075 : I.R.C. Grade I (90mm-45 mm.)	1.21	6.578558976	1 Cum.

2	Road Work (AR1341c) ∴.Providing, laying, spreading and compacting Grading-II stone aggregates of specific sizes using moorum or gravel to water bound macadam - Providing, laying, spreading and compacting Grading-II 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).	-	5.4368256	Cum
i)	BRMMR0037 : Cost of water	0.4	2.17473024	KL
ii)	BRM076 : I.R.C. Grade II (63mm. to 45mm.)	1.21	6.578558976	1 Cum.
iii)	BRM025 : Gravel or moorum	0.29330555555556	1.5946511530667	1 Cum

3	Road Work (AR1341f) :.Providing, laying, spreading and compacting Grading-III stone aggregates of specific sizes using stone screened dust to water bound macadam - Providing, laying, spreading and compacting Grading-III stone aggregates of specific sizes using stone screened dust 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).	-	14.4982016	Cum
i)	BRMMR0037 : Cost of water	0.4	5.79928064	KL
ii)	BRM077 : I.R.C.Grade III (53mm. to 22.4mm.)	1.21	17.542823936	1 Cum.
iii)	BRM026 : Stone screened Dust passing through 2.36 mm sieve and retained on 0.075 mm sieve	0.32	4.639424512	1 Cum

4	<p>Road Work (AR1354b) :-Providing and laying 25 mm thick mastic asphalt wearing course with paving grade bitumen (packed) (from Haldia)</p> <p>- Providing and laying 25 mm thick mastic asphalt wearing course with paving grade bitumen (packed) (from Haldia) meeting the requirements given in table 500-29, prepared by using mastic cooker and laid to required level and slope after cleaning the surface, including providing antiskid surface with bitumen precoated fine grained hard stone chipping of 13.2mm nominal size @ 0.005cum per 10sqm and at an approximate spacing of 10cm center to center in both directions, pressed into surface when the temperature of surfaces is not less than 100 degree centigrade, protruding 1 mm to 4 mm over mastic surface all complete as per MoRT&H Specifications for Road & Bridge works (Last Revision) including cost conveyance, taxes, cess etc. of all materials and direction of the Engineer-in-Charge.</p>	-	23.783168	Sqm
i)	BRM354 : HALDIA PACKED VG-30	0.0058428571428571	0.13896165302857	1 MT
ii)	BRM054 : Granite Stone broken chips 13.2mm. Size (Passing through 22.4mm sieve & retained on 11.2mm sieve) (Crusher broken)	0.016228571428571	0.38596684068571	1 Cum.
iii)	BRM031 : Stone lime unslaked.	10.285714285714	244.62687085714	1 Kg.
iv)	BRM063 : Granite Stone screening (Passing through 2.36mm sieve & retained on 180 micron sieve)	0.011142857142857	0.26501244342857	1 Cum.

5	Masonry Stone Work (AR0717) :.Laterite stone masonry - Laterite stone masonry in cement mortar (1:6) in foundation and plinth cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in-charge.	-		0.9061376	Cum
i)	BRM340 : Cement	0.572		0.5183107072	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.24		0.217473024	1 Cum
iii)	BRM079 : Laterite Stone rough dressed	1		0.9061376	1 Cum.
6	Road Work (AR1309i) :.metal and packing the voids with small stones and hand packing the same to proper camber including conveying spreading of crusher dust - Supplying & spreading metal and packing the voids with small stones and hand packing the same to proper camber including conveying spreading of crusher dust and filling the interstices by spreading the same over the surface, watering, and consolidation with PRR including cost, conveyance, royalty, taxes cost of all labour & material, hire charges of T & P materials required for work as per specification and direction of Engineer-in-Charge.(To be used for minor repair works only)	-		0.9061376	Cum
i)	BRM026 : Stone screened Dust passing through 2.36 mm sieve and retained on 0.075 mm sieve	0.34667844522968		0.31413837433216	1 Cum
ii)	BRM076 : I.R.C. Grade II (63mm. to 45mm.)	1.21		1.096426496	1 Cum.

SI.No.	Material Name	Qty	Unit	Rate	Amount
--------	---------------	-----	------	------	--------

1	BRMMR0037	10.14874112	KL	10	101.4874112
2	BRM025	3.2256988330667	1 Cum	431.67	1392.4374152699
3	BRM075	6.578558976	1 Cum.	1211.15	7967.6217037824
4	BRM076	7.674985472	1 Cum.	906.85	6960.0605752832
5	BRM077	17.542823936	1 Cum.	990.88	17382.833381704
6	BRM026	4.9535628863322	1 Cum	731.82	3625.1163914756
7	BRM354	0.13896165302857	1 MT	49896.57	6933.7098476558
8	BRM054	0.38596684068571	1 Cum.	1945.74	750.99112059582
9	BRM031	244.62687085714	1 Kg.	21.88	5352.4359343543
10	BRM063	0.26501244342857	1 Cum.	1602.66	424.72484258523
11	BRM340	0.5183107072	1 Qntl.	608.378	315.32883142492
12	BRM028	0.217473024	1 Cum	703.68	153.03141752832
13	BRM079	0.9061376	1 Cum.	1207.82	1094.451116032
Total: 52454.229988891					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM025	3.2256988330667	1 Cum	40.25	129.83437803093
2	BRM075	6.578558976	1 Cum.	149.5	983.494566912
3	BRM026	4.9535628863322	1 Cum	40.25	199.38090617487
4	BRM054	0.38596684068571	1 Cum.	149.5	57.702042682514
5	BRM063	0.26501244342857	1 Cum.	149.5	39.619360292571
6	BRM028	0.217473024	1 Cum	40.25	8.753289216
7	BRM079	0.9061376	1 Cum.	149.5	135.4675712
Total: 1554.2521145089					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ 10%	Rs. 8510.9502997097
2	Display Citizen Board @ 1%	Rs. 851.09502997097
Total Addition Component Amount (in Rs.): 9362.0453296807		

Total Net Amount (in Rs.): 94471.548326778