

**OFFICE OF THE SUPERITENDING ENGINEER
R.W.D , TESTING AND QUALITY CONTROL CIRCLE
PURNIA**

DATE: 3/12/2025

(For Road/Approach Roads)

Name of Road :-	L025 ZILEBIA MORE REO ROAD TO GHAMRIA VR14		
Name of Scheme :-	RRSMP		
Name of Circle :-	PURNIA		
Name of Division :-	FARBISHGANJ	Block :-	
Length of Road (Sanctioned) :-	4.17KM		
Actual Length :-	IN PROGRESS		
Date of Inspection :-	3/12/2025		

Sl.	Parameters	Remarks
1	Attention to Quality	
I.	Field laboratory established with all necessary equipment (Attach Geo tagged Photographs).	NO
II.	QC Register Part-1 & Part-2 maintained and mandatory test conduct as per provisions.	NO
III.	Mention the name of tests conducted & their findings related to the following material.	
(a)	Cement/concrete	
(b)	Sand	
(c)	Stone	
(d)	Steel	
	Awarded Grade	U
2	Geometrics	
I.	Chainage (m)	1000
II.	Roadway width (m)	7.7
III.	Carriageway width (m)	3.75m
IV.	Carriageway camber (%)	1.80%
V.	Shoulder width (m)	incompleted
VI.	Shoulder camber (%)	incompleted
VII.	Side slope (V:H)	incompleted
VIII	Super elevation (%)/widening (m)	N/A
	Awarded Grade	U
3	Earth work and subgrade	N/A
I.	Chainage (m)	NA
II.	Soil identification/classification	NA
III.	Degree of compaction (%)	NA
	Awarded Grade	NA

4	Sub-Base	
I.	Chainage (m)	
II.	Thickness of the layer (mm)	
III.	Gradation of Sub-base material	
IV.	Plasticity of Sub-base material	
V.	Compaction of Sub-base layer (%)	
	Awarded Grade	
5	Base Coarse-Water Bound Macadam (WMM/WBM)	
I.	Chainage (m)	1000m
II.	Thickness of each layer of WBM/WMM (mm)	75mm
III.	Plasticity of Crushable Aggregate	
IV.	Volume of filler material (%)	9.57
V.	Gradation of Coarse Aggregate	U
	Awarded Grade	U
6	Bituminous Base Coarse (BM)	
I.	Chainage (m)	1000m
II.	Percentage of Bitumen Content	2.91m
III.	Thickness of Bituminous layer	50
IV.	Grading of Coarse Aggregate	U
	Awarded Grade	U
7	Bituminous layer-premix Carpet (PMC)/MSS/SDBC	
I.	Chainage (m)	1000m
II.	Percentage of Bitumen Content	4.49
III.	Thickness of Bituminous layer	25
IV.	Grading of Coarse Aggregate	U
V.	Quality of wearing surface (Attach the test report of IRI)	
	Awarded Grade	U
8	Dry lean Cement Concrete	
I.	Chainage (m)	
II.	Thickness (mm)	
III.	Compressive Strength of CC in Concrete Pavement/Concrete Block	
	Awarded Grade	
9	CC/PQC/Panel Concrete Pavements	incomplete
I.	Chainage (m)	
II.	Thickness of the pavement (mm)	
III.	Width of the pavement (m)	
IV.	Compressive Strength of CC in Concrete Pavement/Concrete Block	
V.	Quality of workmanship joints & edge etc.	
VI.	Quality of wearing surface (Attached the test report of IRI)	
	Awarded Grade	

10	Shoulders	incompleted
I.	Chainage (m)	
II.	Width of the shoulder (m)	
III.	Quality of material for Shoulders	
IV.	Degree of Compsction (%) (Attached the test report)	
	Awarded Grade	
11	Cross Drainage Works	
I.	Chainage (m)	
II.	Types of CD Structure	
III.	Quality of material, such as concrete (cube test), stone/brick masonry, Hume pipe including size etc.	
IV.	Quality of workmanship, such as positioning of Hume pipes, wing walls, cusion over hume pipes, vent clearance etc.	
V.	Parapet Walls	
	Awarded Grade	
12	Side Drain and Catch Water Drain	N/A
I.	Chainage (m)	N/A
II.	Genral quality of side Drain/Catch Water Drains and their integration with CD Structure	N/A
	Awarded Grade	N/A
13	Road Furniture and Markings	
I.	Main Informatory Board (As per Norms)	YES
II.	Citizen Informatory Board/Maintenance Board (As per Norms)	NO
III.	Kilometer post/200 m Stone/Precautionary/Mandatory Sign Boards	NO
IV.	Road Marking	NO
	Awarded Grade	U

ATTACHED TEST REPORTS OF 1KM AND 3KM CHAINAGE


 Superintendent Engineer
 Testing And Quality control Circle
 Purnia

BINDER CONTENT (BITUMEN) OF BITUMINOUS CONCRETE

NAME OF WORK :- L025 ZILELIA MORE REO ROAD TO GHAMRIA (VR-14) .

ISSUE , TO S. E TESTING & Q.C OFFICE , PURNEA.	DATE OF COLLECTION / RECEIPT :- 03/12/2025	
	DATE OF TEST :- 08/12/2025	
AGENCY NAME :- M/S R.K.S CONSTRUCTION (JV).	DATE OF REPORT :- 08/12/2025	THICKNESS OF LAYER- 25 MM SDBC LAYER

SI.NO.	OBSERVATION	NO. OF TEST	Permissible Value	Remarks	
1	Wt. of mix taken before extraction (A)	508	500	Permissible	
2	Wt. of filter paper before extraction (B)	5.0	4.0		
3	Wt. of mix after extraction (C)	482	474		
4	Wt. of filter paper after extraction (D)	7	7		
5	Wt. of filler collected from extract after allowing for setting (E)	0.6	1.1		
6	Wt. of filler collected in filter paper (D - B) = F	2.000	3.000		
7	Wt. of aggregate + filler collected after extraction (C+E+F) = G	484.60	478.10		
8	Percentage of Bitumen (in the Mix) <u>$(A-G) \times 100$</u> A	4.6 %	4.4 %	4.49 %	Result not Ok

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08/12/25
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पुर्णीय कार्य विभाग
पर्याप्तता विभाग
पुर्णीय, पुर्णीय

BINDER CONTENT (BITUMEN) OF BITUMINOUS CONCRETE

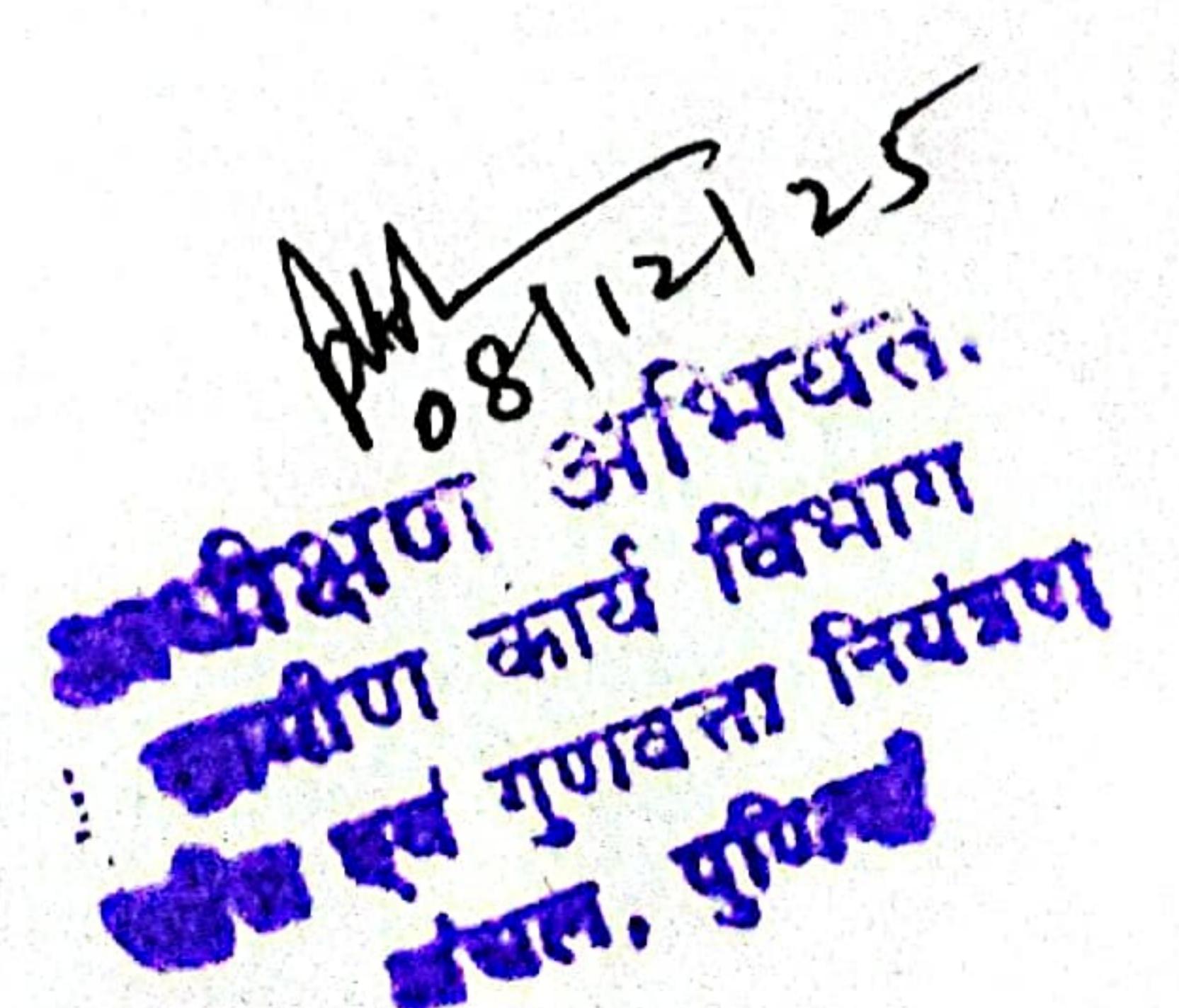
NAME OF WORK :- L025 ZILELIA MORE REO ROAD TO GHAMRIA (VR-14) .

ISSUE , TO S. E TESTING & Q.C OFFICE , PURNEA.		DATE OF COLLECTION / RECEIPT :- 03/12/2025		
		DATE OF TEST :- 08/12/2025		
AGENCY NAME :- M/S R.K.S CONSTRUCTION (JV).		DATE OF REPORT :- 08/12/2025		
		THICKNESS OF LAYER- 50 MM		BM LAYER
Chainage :-		1.00 km	3.00 km	
SI.NO.	OBSERVATION	NO. OF TEST	Permissible Value	Remarks
1	Wt. of mix taken before extraction (A)	500	500	Permissible
2	Wt. of filter paper before extraction (B)	4.0	5.0	
3	Wt. of mix after extraction (C)	482	481	
4	Wt. of filter paper after extraction (D)	7	8	
5	Wt. of filler collected from extract after allowing for setting (E)	0.9	1	
6	Wt. of filler collected in filter paper (D - B) = F	3.000	3.000	
7	Wt. of aggregate + filler collected after extraction (C+E+F) = G	485.90	485.00	
8	Percentage of Bitumen (in the Mix) <u>(A-G) x 100</u> A	2.8 %	3.0 %	2.91 %
				Result not Ok

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 अमरीका अधिकारी
 अमरीका कार्य परिषद
 अमरीका गुप्तस्ता नियंत्रण
 बोर्ड, पुर्णा

GRADATION OF S.D.B.C

NAME OF WORK :- L025 ZILELIA MORE REO ROAD TO GHAMRIA (VR-14) .

ISSUE , TO S. E (TESTING & Q.C OFFICE , PURNEA.)	DATE OF COLLECTION / RECEIPT :- 03/12/2025
	DATE OF TEST :- 08/12/2025
AGENCY NAME :- M/S R.K.S CONSTRUCTION (JV).	DATE OF REPORT :- 08/12/2025
THICKNESS OF LAYER - 25 MM	DATE OF REPORT :- 08-12-2025
AT CHAINAGE :- 1.00 KM.	

Sieve Size (mm)	Weight of Sample retained (gm)	Percent of wt. retained (%)	Cumulative Precent of wt. retained (%)	Present of wt. passing (%)	Premisible Value
13.2 mm	45	4.37	4.37	95.63	100
9.5 mm	72	6.99	11.36	88.64	90-100
4.75 mm	458	44.47	55.83	44.17	35-51
2.36 mm	169	16.41	72.23	27.77	24-39
1.18 MM	92	8.93	81.17	18.83	15-30
300 mic	96	9.32	90.49	9.51	9-19
75 mic	61	5.92	96.41	3.59	3-8
PAN	37	3.59	100.00	0.00	
Total Wt.	1030				

AT CHAINAGE :- 3.00 KM.

Sieve Size (mm)	Weight of Sample retained (gm)	Percent of wt. retained (%)	Cumulative Precent of wt. retained (%)	Present of wt. passing (%)	Premisible Value
13.2 mm	0	0.00	0.00	100.00	100
9.5 mm	104	10.00	10.00	90.00	90-100
4.75 mm	469	45.10	55.10	44.90	35-51
2.36 mm	182	17.50	72.60	27.40	24-39
1.18 MM	85	8.17	80.77	19.23	15-30
300 mic	93	8.94	89.71	10.29	9-19
75 mic	65	6.25	95.96	4.04	3-8
PAN	42	4.04	100.00	0.00	
Total Wt.	1040				

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08/12/25
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सर्वीस विभाग
पुणे एवं ता नियंत्रण
अंचल, पुणे

GRADATION OF BITUMINIOUS MACADAM

NAME OF WORK :- L025 ZILELIA MORE REO ROAD TO GHAMRIA (VR-14) .

ISSUE , TO S. E (TESTING & Q.C OFFICE , PURNEA.)	DATE OF COLLECTION / RECEIPT :- 03/12/2025
	DATE OF TEST :- 08/12/2025
AGENCY NAME :- M/S R.K.S CONSTRUCTION (JV).	DATE OF REPORT :- 08/12/2025
THICKNESS OF LAYER - 50 MM	DATE OF REPORT :- 08-12-2025

AT CHAINAGE :- 1.00 KM.

Sieve Size (mm)	Weight of Sample retained (gm)	Percent of wt. retained (%)	Cumulative Precent of wt. retained (%)	Present of wt. passing (%)	Premisable Value
26.5 mm	0	0.00	0.00	100.00	100
19 mm	65	6.37	6.37	93.63	90-100
13.2 mm	271	26.57	32.94	67.06	56-88
4.75 mm	387	37.94	70.88	29.12	16-36
2.36 mm	155	15.20	86.08	13.92	4-19
300 mic	72	7.06	93.14	6.86	2-10
75 mic	47	4.61	97.75	2.25	0-8
PAN	23	2.25	100.00	0.00	
Total Wt.	1020				

AT CHAINAGE :- 3.00 KM.

Sieve Size (mm)	Weight of Sample retained (gm)	Percent of wt. retained (%)	Cumulative Precent of wt. retained (%)	Present of wt. passing (%)	Premisable Value
26.5 mm	0	0.00	0.00	100.00	100
19 mm	78	7.76	7.76	92.24	90-100
13.2 mm	249	24.78	32.54	67.46	56-88
4.75 mm	378	37.61	70.15	29.85	16-36
2.36 mm	162	16.12	86.27	13.73	4-19
300 mic	69	6.87	93.13	6.87	2-10
75 mic	42	4.18	97.31	2.69	0-8
PAN	27	2.69	100.00	0.00	
Total Wt.	1005				

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*अमिताल 8/12/25
संग्रहीत कार्य विभाग
एवं गुणवत्ता विभाग
लखनऊ, पुर्णिमा*

GRADATION OF WMM

NAME OF WORK :- L025 ZILELIA MORE REO ROAD TO GHAMRIA (VR-14).

ISSUE, TO S. E (TESTING & Q.C OFFICE , PURNEA.)	DATE OF COLLECTION / RECEIPT :- 03/12/2025
	DATE OF TEST :- 08/12/2025
AGENCY NAME :- M/S R.K.S CONSTRUCTION (JV).	DATE OF REPORT :- 08/12/2025
THICKNESS OF LAYER - 50 MM	DATE OF REPORT :- 08-12-2025

AT CHAINAGE :- 1.00 KM.

Sieve Size (mm)	Weight of Sample retained (gm)	Percent of wt. retained (%)	Cumulative Precent of wt. retained (%)	Present of wt. passing (%)	Premisable Value
53 MM	4439	21.80	21.80	78.20	100
45 MM	1114	5.47	27.27	72.73	90-100
22.4 MM	6245	30.67	57.94	42.06	56-88
11.2 MM	2070	10.17	68.11	31.89	16-36
4.75 MM	1675	8.23	76.34	23.66	4-19
2.36 MM	1842	9.05	85.38	14.62	2-10
600 MM	1594	7.83	93.21	6.79	0-8
75 MIC	1382	6.79	100.00	0.00	
Total Wt.	20361				

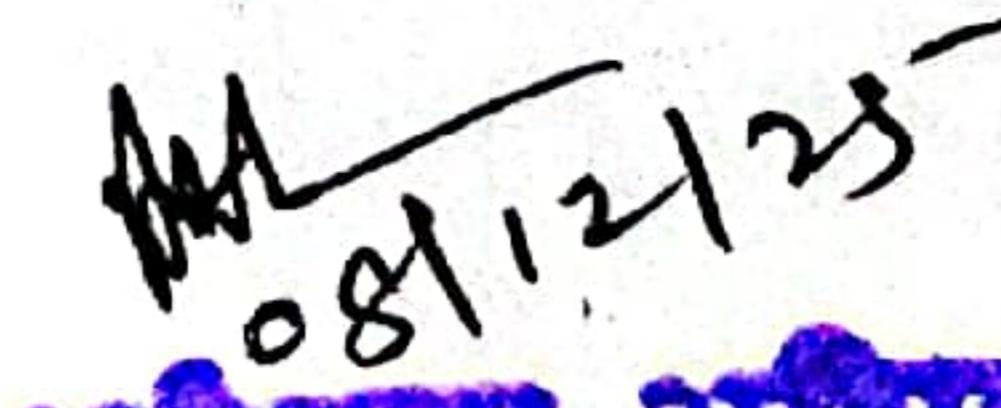
AT CHAINAGE :- 3.00 KM.

Sieve Size (mm)	Weight of Sample retained (gm)	Percent of wt. retained (%)	Cumulative Precent of wt. retained (%)	Present of wt. passing (%)	Premisable Value
53 MM	486	1.98	1.98	98.02	100
45 MM	1066	4.35	6.33	93.67	90-100
22.4 MM	9117	37.21	43.55	56.45	56-88
11.2 MM	3168	12.93	56.48	43.52	16-36
4.75 MM	3768	15.38	71.86	28.14	4-19
2.36 MM	2879	11.75	83.61	16.39	2-10
600 MM	1671	6.82	90.43	9.57	0-8
75 MIC	2345	9.57	100.00	0.00	
Total Wt.	24500				

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