

**OFFICE OF THE ASSISTANT ENGINEER
TESTING AND QUALITY CONTROL LABORATORY,
R.W.D JEHANABAD (BIHAR)**

Name of the Road-- BABHANA NH110 TO DHARAMPUR MORE

Package No./Agreement No-RRSMP/24-25/05

Name of Sub Division- JEHANABAD

Date of testing-.....12-12-2025.....

Location...CH-1800M..... Name of Agency- BANSHIDHAR CONST.PVT.LTD.

Thickness of Layer- 50MM

Confirm

SIEVE ANALYSIS FOR GRADATION OF BM.....

Weight of sample Taken					570	gm	Remarks	Remarks
Sl. NO.	I.S. Sieve Size/ Designation (mm)	Wt. of sample retained in(gm)	Percentage of Weight retained(%)	cumulative of wt retaiad (%)	Percentage of Weihgt passing	Permissible value		
1	2	3	4	5	6	7		8
1	26.5	0	0.00	0.00	100.00	100		
2	19	45	7.89	7.89	92.11	90-100		
3	13.2	180	31.58	39.47	60.53	56-88		
4	4.75	230	40.35	79.82	20.18	16-36		
5	2.36	60	10.53	90.35	9.65	4-19		
6	0.3	30	5.26	95.61	4.39	2-10		
7	0.075	25	4.39	100.00	0.00	0-5		
8	PAN	0	0.00	0.00	0.00	0		
Bitumen content (%) by Weight of total Mixture :-								
Procedure to be followed :-								
W1 (Weight of Sample) gm.= 600								
W2 (Weight of Sample after extraction) gm.= 570								
W3 (Weight of fine material recovered from the extraction) gm.= 5								
W4 (Increase in Weight of filter ring) gm.= 3								
Percentage of Bitumen =(W1-W2-W3-W4)/W1*100= 3.667%								
Whether Confirms to Prescribed Limits Yes/No								
Bitumen Viscosity Grade :- VG-30								

Tested by Technical
Supervisor

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Supervisor

Testing, and Quality control Labratory RWD
Jehanabad



**OFFICE OF THE ASSISTANT ENGINEER
RURAL WORKS DEPARTMENT
TESTING AND QUALITY CONTROL LABORATORY, JEHANABAD**

Letter No.

Date :12/12/2025.....

Format – "A" (For Road/Approach Roads)

1. Name of Scheme :-RRSMP/2024-25/05

2. Name of Road :- BABIINA NH110 TO DHARAMPUR MORE

Chainage/Location :-1800M

3. Name of Circle :-AURANGABAD

4. Name of Division :-JEHANABAD

Block :-JEHANABAD

5. Length of Road (Sanctioned) :-2.56KM

Actual Length :-2.56KM

6. Date of Inspection :-12/12/2025

Sl.No.	Parameters	Remarks
1	Attention of Quality	
I.	Field laboratory established with all necessary equipment (Attach Geo tagged Photographs).	YES
II.	QC Register Part-1 & Part - 2 maintained and mandatory test conduct as per provisions.	YES
III.	Mention the name of tests conducted & their findings related to the following material.	Gradedation test
(a)	Cement/concrete	N/A
(b)	Sand	N/A
(c)	Stone	YES
(d)	Steel	N/A
	Awarded Grade	S
2	Geometric	
I.	Chainage (m)	
II.	Roadway width (m)	6.25
III.	Carriageway width (m)	3.75
IV.	Carriageway camber (%)	3.01%

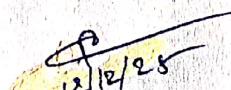
V.	Shoulder width (m)	1.375
VI.	Shoulder camber (%)	5.01%
VII.	Side slop (V:H)	-
VIII.	Super elevation (%)/widening (m)	4.02%
	Awarded Grade	
3	Earth work and subgrade	
I.	Chainage (m)	
II.	Soil identification/classification	CLAY
III.	Degree of compaction (%)	100%
	Awarded Grade	
4	Sub-Base	
I.	Chainage (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)	
II.	Thickness of the layer of WDM/WMM (mm)	-
III.	Plasticity of Crushable Aggregate	-
IV.	Volume of filler material (%)	-
V.	Gradation of Coarse Aggregate	-
	Awarded Grade	-
6	Bituminous Base Coarse (BM)	
I.	Chainage (m)	1800M
II.	Percentage of Bitumen Content	3.667%
III.	Thickness of Bituminous layer	50MM
IV.	Grading of Coarse Aggregate	YES
	Awarded Grade	S

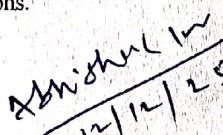
7	Bituminous layer-premix Carpet (PMC)/MSS/SDBC	
I.	Chainage (m)	
II.	Percentage of Bitumen Content	-
III.	Thickness of Bituminous layer	-
IV.	Grading of Coarse Aggregate	-
V.	Quality of wearing surface (Attach the test report of IRI)	-
	Awarded Grade	-
8	Dry lean Cement Concrete	
I.	Chainage (m)	N/A
II.	Thickness (mm)	N/A
III.	Compressive Strength of CC in Concrete Pavement/Concrete Block	N/A
	Awarded Grade	-
9	CC/PQC/Panel Concrete Pavements	
I.	Chainage (m)	
II.	Thickness of the pavement (mm)	N/A
III.	Width of the pavement (m)	N/A
IV.	Compressive Strength of CC in Concrete Pavement/Concrete Block	N/A
V.	Quality of workmanship joints & edge etc.	N/A
VI.	Quality of wearing surface (Attach the test report of IRI)	N/A
	Awarded Grade	
10	Shoulders	
I.	Chainage (m) 1800 m	
II.	Thickness of the Shoulder (mm)	300MM
III.	Quality of material for Shoulders	YES
IV.	Degree of compaction (%) (Attached the test report)	100%
	Awarded Grade	S
11	Cross Drainage Works	
I.	Chainage (m)	

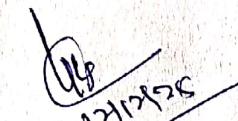
II.	Types of CD Structure	N/A
III.	Quality of material, such as concrete (cube test), stone/brick masonry, Hume Pipe including size etc.	N/A
IV.	Quality of workmanship, such as positioning of Hume pipes, wing walls, cushion over hume pipes, vent clearance etc.	N/A
V.	Parapet Walls	N/A
	Awarded Grade	-
12	Side Drain and Catch Water Drain	
I.	Chainage (m)	N/A
II.	General quality of side Drain/Catch Water Drains and their integration with CD structures	N/A
	Awarded Grade	-
11	Road Furniture and Markings	
I.	Main Informatory Board (As per Norms)	YES
II.	Citizen Informatory Board/Maintenance Board (As per Norms)	YES
III.	Kilometer post/200m Stone/Precautionary/Mandatory Sign Boards	-
IV.	Road Marking	-
	Awarded Grade	S

Note :- *Attach Test Report.

*Attach Relevant Photographs.


12/12/25
T.S
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