

**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- BANSIDHAR CONST.PVT.LTD.

Thickness of Layer- 50MM

Confirm

SIEVE ANALYSIS FOR GRADATION OF BM.....

Sl. No.	I.S. Sieve Size/ Designation (mm)	Weight of sample Taken		570 gm	Percentage of Weight retained (%)	cumulative of wt retaied (%)	Percetage of Weihtg passing	Permissible value	Remarks	Remarks
		2	3		4	5				
1	26.5	0	0.00	570 gm	0.00	0.00	100.00	100		
2	19	45	7.89		7.89	7.89	92.11	90-100		
3	13.2	180	31.58		39.47	39.47	60.53	56-88		
4	4.75	230	40.35		79.82	79.82	20.18	16-36		
5	2.36	60	10.53		90.35	90.35	9.65	4-19		
6	0.3	30	5.26		95.61	95.61	4.39	2-10		
7	0.075	25	4.39		100.00	100.00	0.00	0-5		
8	PAN	0	0.00		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

12-12-23
Tested by Technical
Supervisor

12-12-23
Tested by Technical
Supervisor

Testing, and Quality control Laboratory RWD
Jehanabad
Assistant Engineer
12-12-23

**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 :- BABINA NH110 TO DHARAMPUR MORE
3. Name of Circle :-AURANGABAD
4. Name of Division :-JEHANABAD
5. Length of Road (Sanctioned) :-2.56KM
6. Date of Inspection :-12/12/2025

Chainage/Location :-1800M

Actual Length :-2.56KM

Sl.No.	Parameters	Remarks
1	Attention of Quality	
I.	Field laboratory established with all necessary equipment (Attach Geo tagged Photographsh).	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 meterial.	Gradiation 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%

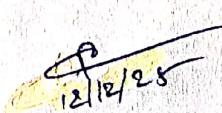
V.	Shoulder width (m)	1.375
VI.	Shoulder camber (%)	5.01%
VII.	Side slop (V:H)	-
VIII.	Super elevation (%)/widening (m)	4.02%
Awarded Grade		
3	Earth work and subrade	
I.	Chainage (m)	
II.	Soil identification/classification	CLAY
III.	Degree of compaction (%)	100%
Awarded Grade		
4	Sub-Base	
I.	Chainage (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

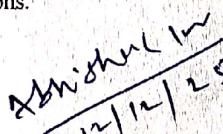
7	Bituminous layer-premix Carpet (PMC)/MSS/SDBC	
I.	Chainage (m)	
II.	Percentage of Bitumen Content	-
III.	Thickness of Bituminous layer	-
IV.	Grading of Coarse Aggregate	-
V.	Quality of wearing surface (Attach the test report of IRI)	-
	Awarded Grade	
8	Dry lean Cement Concrete	
I.	Chainage (m)	N/A
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 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) <u>1800m</u>	
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	
11	Cross Drainage Works	
I.	Chainage (m)	

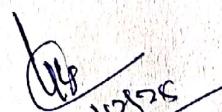
II.	Types of CD Structure	N/A
III.	Quality of material, such as concrete (cube test), stone/brick masonry, Hume Pipe including size etc.	N/A
IV.	Quality of workmanship, such as positioning of Hume pipes, wing walls, cusion over hume pipes, vent clearance etc.	N/A
V.	Parapet Walls	N/A
	Awarded Grade	-
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.


 12/12/28
 T.S
 T&QC Laboratory
 JEHANABAD


 12/12/25
 T.S
 T&QC Laboratory
 JEHANABAD


 12/12/26
 Assistant Engineer
 T&QC Laboratory
 JEHANABAD