

TESTING AND QUALITY CONTROL LABORATORY

RURAL WORKS DEPARTMENT, SIWAN-1

Email ID:- aerwdtqlabsiwan1@gmail.com

Format - "A" (For Roads / Approach Roads)

1. Name of Scheme - RRSMP (GLEN)
2. Name of Road - CONSTRIMP & BHIKHUPUR SE BHAISAURA ROAD
3. Name of Circle - SIWAN
4. Name of Division - SIWAN-01
5. Length Of Road - 8.10 KM
6. Date of Inspection - 21/12/2025
- Block - SIWAN
Actual Length - 8.10 KM
Chainage/ Location - 0.50, 1.00, 5.60, 5.80 KM

SL No.	Parameters	Remarks
1.	<u>Attention to Quality</u>	
I	Field Laboratory established with all necessary equipment (Attach Geo tagged Photographs)	YES
II	QC Register Part - 1 & Part - 2 Maintained and mandatory test conducted as per provisions	YES
III	Mention the name of tests conducted & their findings related to the following materials	—
(a)	Cement / Concrete	—
(b)	Sand	—
(c)	Stone	—
(d)	Steel	—
	Awarded Grade :-	
2.	<u>Geometrics</u>	
I	Chainage (m)	0.5 KM, 1.00 KM, 5.60 KM, 5.80 KM
II	Roadway Width (m)	6M
III	Carriageway Width (m)	3.75 M
IV	Carriageway Camber (%)	3.40%, 3.50%, 2.50%, 2.00%
V	Shoulder Width (m)	ON GOING
VI	Shoulder Camber (%)	N/A
VII	Side Slope (V:H)	N/A
VIII	Super Elevation (%) / Widening (m)	N/A
	Awarded Grade :-	Setback

3.	<u>Earth Work and Sub Grade</u>	N/A
I	Chainage (m)	N/A
II	Soil Identification / Classification	N/A
III	Degree of Compaction (%)	N/A
	Awarded Grade :-	—
4.	<u>Sub-Base</u>	—
I	Chainage (m)	N/A
II	Thickness of the layer (mm)	N/A
III	Gradation of Sub-base material	N/A
IV	Plasticity of sub base material	N/A
V	Compaction of sub base layer (%)	N/A
	Awarded Grade :-	—
5.	<u>Base Coarse-Water Bound Macadam (WMM/WBM)</u>	—
I	Chainage (m)	N/A
II	Thickness of each layer of WMM/WBM (mm)	N/A
III	Plasticity of Crushable Aggregate	N/A
IV	Volume of filler material (%)	N/A
V	Gradation of Coarse Aggregate	N/A
	Awarded Grade :-	—
6.	<u>Bituminous Base Coarse (BM)</u>	BM
I	Chainage (m)	500M, 1000 M
II	% of Bitumen Content	3.33%, 3.37%
III	Thickness of Bituminous layer	50MM
IV	Grading of Coarse Aggregate	Gr-II
	Awarded Grade :-	Satisfactory

7.	<u>Bituminous Layer-Premix Carpet (PMC)/MSS/SDBC</u>	SDBC
I	Chainage (m)	500m, 5600m
II	% of Bituminous Content	4.46%, 4.51%
III	Thickness of Bituminous layer	25mm
IV	Grading of Coarse Aggregate	Gr-II
V	Quality of wearing surface (Attach the test report of IRI)	—
	Awarded Grade :-	Satisfactory
8.	<u>Dry lean Cement Concrete</u>	N/A
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.	<u>CC/PQC/Panel Concrete Pavements</u>	PQC
I	Chainage (m)	5600m, 5800m
II	Thickness of pavement (mm)	100mm/0.1m
III	Width of the pavement (m)	3.75m
IV	Compressive Strength of CC in Concrete Pavement / Concrete Block <u>Cylinder</u>	28.06, 27.80 N/mm ²
V	Quality of workmanship joints & Edges etc.	Satisfactory
VI	Quality of wearing surface (Attach the test report of IRI)	—
	Awarded Grade :-	Satisfactory
10.	<u>Shoulders</u>	ON GOING
I	Chainage (m)	N/A
II	Width of shoulder (m)	N/A
III	Quality of material for shoulders	N/A

IV	Degree of Compaction (%) (Attach the test report)	
	Awarded Grade :-	N/A
11.	<u>Cross Drainage Works</u>	—
I	Chainage (m)	—
II	Type 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 pipe, Wing Walls, Cushion over hume pipe, Vent Clearance etc.	—
V	Parapet Walls	—
	Awarded Grade :-	—
12.	<u>Side Drain & Catch Water Drain</u>	N/A
I	Chainage (m)	—
II	General quality of side drain / Catch Water Drains & their integration with CD Structures	—
	Awarded Grade :-	—
13.	<u>Road Furniture & Road Markings</u>	—
I	Main information Board (As per Norms)	Satisfactory
II	Citizen Information/ Maintenance Board (As per Norms)	Satisfactory
III	Kilometer post / 200 m Stone / Precautionary / Mandatory Sign Boards	ON GOING
IV	Road Marking	ON GOING
	Awarded Grade :-	S

Note:- * Attach Test Report
* Attach Relevant Photographs

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21/12/2025
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21/12/2025
T.S

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TEST RESULT FOR BITUMEN CONTENT OF SDBC/BM/MSS/PMC/SURFACE DRESSING

TEST FOR BITUMEN CONTENT OF :- BM **SCHEME: RRSMP(Gen)**

NAME OF DIVISION:- R.W.D. WORKS DIVISION- SIWAN-01, BLOCK:-SISWAN

NAME OF WORK- (CONST./IMP OF BHIKHPUR SE BHAI SAURA ROAD

NAME OF Agency-M/S NARSINGH SINGH

DATE OF TEST:- 22-12-2025 **DATE OF SAMPLE COLLECTION:- 21-12-2025**

TEST FOR BITUMEN CONTENT

Sl no	Chainage	0.500KM	1.000KM		REMARK
1	Date Of Test	22-12-2025	22-12-2025		ACCEPTABLE
2	Wt. Of Mix in gm (A)	510	504		
3	Wt. Of Cleared Chips in gm (B)	493	487		
4	Wt. Bitumen in gm (A-B)	17	17		
5	% Of Bitumen W.R to Mix (A-B)/A×100	3.33	3.37		

NOTE:-

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 22/12/2025
TECHINICAL SUPERVISON
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Susaj Kumar
 22/12/2025
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TEST RESULT FOR BITUMEN CONTENT OF SDBC/BM/MSS/PMC/SURFACE DRESSING

TEST FOR BITUMEN CONTENT OF :- SDBC

SCHEME: RRSMP(Gen)

NAME OF DIVISION:- R.W.D, WORKS DIVISION- SIWAN-01, BLOCK:-SIWAN

NAME OF WORK- CONST./IMP OF BHIKHPUR SE BHAISAURA ROAD

NAME OF Agency-M/S NARSINGH SINGH

DATE OF TEST:-22-12-2025

DATE OF SAMPLE COLLECTION:- 21-12-2025

TEST FOR BITUMEN CONTENT

Sl no	Chainage	0.500KM	1.000KM		REMARK
1	Date Of Test	22-12-2025	22-12-2025		ACCEPTABLE
2	Wt. Of Mix in gm (A)	516	510		
3	Wt. Of Cleared Chips in gm (B)	493	487		
4	Wt. Bitumen in gm (A-B)	23	23		
5	% Of Bitumen W.R to Mix (A-B)/A×100	4.46	4.51		

NOTE:-

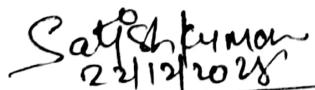
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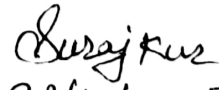
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TESTING AND QUALITY CONTROL LABORATRY RURAL WORKS DEPARTMENT, SIWAN-1 Email ID:- aerwdtqlabsiwan1@gmail.com					
CONCRETE CORE TEST RESULT (IS 516)					
NAME OF DIVISION:- R.W.D, WORKS DIVISION-SIWAN-01, BLOCK-SISWAN					
Name of Road- CONST. IMP OF BHIKHPUR ST BHAISAURA ROAD					
Name of Agency-M/S NARSINGH SINGH					
Date of test		22-12-2025		Date of Sample:-21-12-2025	
PERTICULARS	Chainage	5.600KM	5.800KM		REMARK
1. Height of Core in mm		100.00	100.00		ACCEPTABLE
2.Weight of Core in Gm		1725.00	1710.50		
3.Dia of Core in mm		95.00	95.00		
4.Density of Concrete gm/cc		2.435	2.414		
5.Correction factor		0.90	0.90		
6.Load In KN		222.00	220.00		
7.Area of Core mm-sqr		7088	7088		
8.Compressive Strength of Cylinder N/mm-square		28.06	27.80		
9.Equivalent Cube Strength. N/mm-Sqr.		35.07	34.75		
10.Required Compressive Strength.			35 N/mm-square		Yes


 22/12/2025
 TECHNICAL SUPERVISOR
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