

# TESTING AND QUALITY CONTROL LABORATORY

RURAL WORKS DEPARTMENT, SIWAN-1

Email ID:- aerwdtqclabsiwan1@gmail.com

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

1. Name of Scheme - RRSMP (GEN)
2. Name of Road - REMAING PART OF CHAMPUR SE TARI  
VIA MAHANAGAR TAK
3. Name of Circle - SIWAN
4. Name of Division - SIWAN-01 Block - SIWAN
5. Length Of Road - 0.600 KM Actual Length - 0.600 KM
6. Date of Inspection - 05/12/2025 Chainage/ Location -

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)	0.670 KM
II	Roadway Width (m)	5.30 M
III	Carriageway Width (m)	3.75 M
IV	Carriageway Camber (%)	3.50 %
V	Shoulder Width (m)	ON GOING
VI	Shoulder Camber (%)	N/A
VII	Side Slope (V:H)	N/A
VIII	Super Elevation (%) / Widening (m) <u>AT CH - 0.750 KM</u>	6 %
	Awarded Grade :-	SATISFACTORY

3.	<u>Earth Work and Sub Grade</u>	
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>	
I	Chainage (m)	0.670 km
II	% of Bitumen Content	3.53%
III	Thickness of Bituminous layer	50 mm
IV	Grading of Coarse Aggregate	Gr. II
	Awarded Grade :-	SATISFACTORY

7.	<u>Bituminous Layer-Premix Carpet (PMC)/MSS/SQBC</u>	SDBC
I	Chainage (m)	0.670 KM
II	% of Bituminous Content	4.51 %
III	Thickness of Bituminous layer	25 mm
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>	
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>	
I	Chainage (m)	0.375 KM
II	Thickness of pavement (mm)	100 mm
III	Width of the pavement (m)	3.75 m
IV	Compressive Strength of CC in Concrete Pavement / Concrete Block Cylinder	27.80 N/mm <sup>2</sup>
V	Quality of workmanship joints & Edges etc.	S
VI	Quality of wearing surface (Attach the test report of IRI)	—
	Awarded Grade :-	S
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)	M/A
	Awarded Grade :-	,
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 &amp; Catch Water Drain</u>	—
I	Chainage (m)	—
II	General quality of side drain / Catch Water Drains & their integration with CD Structures	—
	Awarded Grade :-	—
13.	<u>Road Furniture &amp; Road Markings</u>	
I	Main information Board (As per Norms)	S
II	Citizen Information/ Maintenance Board (As per Norms)	S
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

*Susmit Kumar*  
05/12/2025  
**Technical Supervisor**  
Testing & Quality  
Control Laboratory, R.W.D  
Siwan-1

*Satish Kumar*  
05/14/2025  
T.S

*Pratibha*  
05/12/2025  
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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-Siswan

NAME OF WORK-Remaining part of Chainpur Se Tari via Mahanagar Tak

NAME OF Agency- M/S Narsingh Singh

CH:-0.670KM

DATE OF Sample Collection:- 05-12-2025

TEST FOR BITUMEN CONTENT

Sl no	Chainage	0.670KM			REMARK
1	Date Of Test	05-12-2025			Acceptable
2	Wt. Of Mix in gm (A),	510			
3	Wt. Of Cleared Chips in gm (B)	487			
4	Wt. Bitumen in gm (A-B	23			
5	% Of Bitumen W.R to Mix (A-B)/A×100	4.51			

NOTE:-NA

TECHINICAL SUPERVISON  
TESTING AND QUALITY CONTROL  
LABORATRY  
RURAL WORKS DEPARTMENT,  
SIWAN-1

Satish Kumar  
05/12/2025  
T.S

ASSISTANT ENGINEER  
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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-Remaining part of Chainpur Se Tari via Mahanagar Tak

NAME OF Agency- M/S Narsingh Singh

CH:-0.670KM DATE OF Sample Collection:- 05-12-2025

TEST FOR BITUMEN CONTENT

Sl no	Chainage	0.670KM			REMARK
1	Date Of Test	05-12-2025			Acceptable
2	Wt. Of Mix in gm (A)	530			
3	Wt. Of Cleared Chips in gm (B)	511.3			
4	Wt. Bitumen in gm (A-B)	18.7			
5	% Of Bitumen W.R to Mix (A-B)/A×100	3.53			

NOTE:-NA

*Suresh Kumar*  
05/12/2025  
TECHINICAL SUPERVISON  
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**CONCRETE CORE TEST RESULT (IS 516)**

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

**Name of Road-Remaning part of Chainpur Se Tari via Mahanagar Tak**

**Name of Agency-M/S Narsingh Singh**

**Date of test** 05-12-2025 **Sample by-Testing & Quality Control Laboratory,Siwan-01**

PERTICULARS	Chainage	0.375KM			REMARK
1. Height of Core in mm		100.00			ACCEPTABLE
2.Weight of Core in Gm		1710.00			
3.Dia of Core in mm		95.00			
4.Density of Concrete gm/cc		2.414			
5.Correction factor		0.90			
6.Load In KN		220.00			
7.Area of Core mm-sqr		7088			
8.Compressive Strength N/mm-squa		27.80			
Equivalant Cube Strength. N/mm-Sqr		34.75			
10.Required Compressive Strength.			35 N/mm-square		Yes

*Surey Kumar*  
05/12/2025  
**TECHINICAL SUPERVISON**  
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*Satish Kumar*  
05/12/2025  
**T.S**

*Anup*  
05/12/2025  
**ASSISTANT ENGINEER**  
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