

TESTING AND QUALITY CONTROL LABORATORY

RURAL WORKS DEPARTMENT, SIWAN-1

Email ID:- aerwdtqlabsiwan1@gmail.com

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

- Name of Scheme - RRSMP (GEN)
 - Name of Road - CHAINPUR RASULPUR RD PATH ME BALIA
KOTHI GATE SE MAHENDRANATH
 - Name of Circle - SIWAN
 - Name of Division - SIWAN-01
 - Length Of Road - 2.50 km
 - Date of Inspection - 17/12/2025
- Block - SIWAN
Actual Length - 2.50 km
Chainage/ Location - 0.500 km, 1.350 km, 1.670 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)	0.500 km, 1.350 km
II	Roadway Width (m)	5.50 m, 5.45 m
III	Carriageway Width (m)	3.75 m, 3.75 m
IV	Carriageway Camber (%)	3.50%, 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 :- 0.530 km</u>	6.00%
	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)	500M, 1350M
II	% of Bitumen Content	3.50%, 3.50%
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, 1350M
II	% of Bituminous Content	4.51, 4.27
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>	
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)	1670M
II	Thickness of pavement (mm)	100MM
III	Width of the pavement (m)	3.75M
IV	Compressive Strength of CC in Concrete Pavement / Concrete Block Cylinder	28.88 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)	N/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 & 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 & 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 :-	Satisfactory

Note:- * Attach Test Report
* Attach Relevant Photographs

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17/12/2025
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TESTING AND QUALITY CONTROL LABORATRY
RURAL WORKS DEPARTMENT, SIWAN-1
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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-CHAINPUR RASULPUR RCD PATH ME BALIA KOTHI GATE SE MAHENDRA NATH TAK

NAME OF Agency-M/S DICPL-PIPL (JV)

DATE OF Sample Collection:- 17-12-2025

TEST FOR BITUMEN CONTENT

Sl no	Chainage	0.500KM	1.350KM		REMARK
1	Date Of Test	17-12-2025	17-12-2025		Acceptable
2	Wt. Of Mix in gm (A)	513	517		
3	Wt. Of Cleared Chips in gm (B)	495	498.9		
4	Wt. Bitumen in gm (A-B)	18	18.1		
5	% Of Bitumen W.R to Mix (A-B)/A×100	3.51	3.50		

NOTE:-

Satish Kumar
17/12/2025

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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-CHAINPUR RASULPUR RCD PATH ME BALIA KOTHI GATE SE MAHENDRA NATH TAK

NAME OF Agency-M/S DICPL-PIPL (JV)

DATE OF Sample Collection:- 17-12-2025

TEST FOR BITUMEN CONTENT

Sl no	Chainage	0.500KM	1.350KM		REMARK
1	Date Of Test	17-12-2025	17-12-2025		Acceptable
2	Wt. Of Mix in gm (A)	510	525		
3	Wt. Of Cleared Chips in gm (B)	487	502.6		
4	Wt. Bitumen in gm (A-B)	23	22.4		
5	% Of Bitumen W.R to Mix (A-B)/A×100	4.51	4.27		


NOTE:-


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TESTING AND QUALITY CONTROL LABORATRY RURAL WORKS DEPARTMENT, SIWAN-1 Email ID:- aerwdtqclabsiwan1@gmail.com					
CONCRETE CORE TEST RESULT (IS 516)					
NAME OF DIVISION:- R.W.D, WORKS DIVISION-SIWAN-01, BLOCK-SISWAN					
Name of Road-CHAINPUR RASULPUR RCD PATH ME BALIA KOTHI GATE SE MAHENDRA NATH TAK					
Name of Agency-M/S DICPL-PIPL (JV)					
Date of test		17-12-2025 Sample by-Testing & Quality Control Laboratory,Siwan-01			
PERTICULARS	Chainage	1.670KM			REMARK
1. Height of Core in mm		100.00			ACCEPTABLE
2.Weight of Core in Gm		1715.60			
3.Dia of Core in mm		95.00			
4.Density of Concrete gm/cc		2.422			
5.Correction factor		0.90			
6.Load In KN		228.50			
7.Area of Core mm-sqr		7088			
8.Compressive Strength N/mm-squa		28.88			
Equivalent Cube Strength. N/mm-Sqr		36.10			
10.Required Compressive Strength.			35 N/mm-square		Yes


TECHINICAL SUPERVISON
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 17/12/2025
 T.S


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