

TESTING AND QUALITY CONTROL LABORATORY

RURAL WORKS DEPARTMENT, SIWAN-2

Email ID:- aerwdtqclabsiwan2@gmail.com

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

1. Name of Scheme - RRSMP (Gen)
2. Name of Road - REPAIR OF ROAD FROM VITAYAPUR
MORE S.E. CHANDPALI
3. Name of Circle - SIWAN
4. Name of Division - SIWAN-02 Block - XIRADESI
5. Length Of Road - 6.410 km Actual Length - 6.410 km
6. Date of Inspection - 06/12/2025 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	N/A
(a)	Cement / Concrete	—
(b)	Sand	—
(c)	Stone	—
(d)	Steel	—
	Awarded Grade :-	
2.	<u>Geometrics</u>	
I	Chainage (m)	4.690km, 4.200km, 3.200km
II	Roadway Width (m)	Avg. 5.80 m
III	Carriageway Width (m)	3.75 m
IV	Carriageway Camber (%)	3.41%, 3.2%, 3.1%
V	Shoulder Width (m)	on going
VI	Shoulder Camber (%)	on going
VII	Side Slope (V:H)	—
VIII	Super Elevation (%) / Widening (m)	N/A
	Awarded Grade :-	S

3.	<u>Earth Work and Sub Grade</u>	N/A
I	Chainage (m)	—
II	Soil Identification / Classification	—
III	Degree of Compaction (%)	—
	Awarded Grade :-	
4.	<u>Sub-Base</u>	N/A
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.	<u>Base Coarse-Water Bound Macadam (WMM/WBM)</u>	N/A
I	Chainage (m)	—
II	Thickness of each layer of WMM/WBM (mm)	—
III	Plasticity of Crushable Aggregate	—
IV	Volume of filler material (%)	—
V	Gradation of Coarse Aggregate	—
	Awarded Grade :-	
6.	<u>Bituminous Base Coarse (BM)</u>	
I	Chainage (m)	4.690 km, 4.200 km, 3.200 km
II	% of Bitumen Content	3.42%, 3.37%, 3.48%
III	Thickness of Bituminous layer	50 mm.
IV	Grading of Coarse Aggregate	Gr II
	Awarded Grade :-	S

7.	<u>Bituminous Layer-Premix Carpet (PMC)/MSS/SDBC</u>	
I	Chainage (m)	4.690km, 4.200km, 3.200km
II	% of Bituminous Content	4.41%, 4.47%, 4.34%
III	Thickness of Bituminous layer	25 mm
IV	Grading of Coarse Aggregate	Gr. A
V	Quality of wearing surface (Attach the test report of IRI)	—
	Awarded Grade :-	S
8.	<u>Dry lean Cement Concrete</u>	N/A
I	Chainage (m)	—
II	Thickness (mm)	—
III	Compressive Strength of CC in Concrete Pavement / Concrete Block	—
	Awarded Grade :-	
9.	<u>CC/PQC/Panel Concrete Pavements</u>	
I	Chainage (m)	6.200km
II	Thickness of pavement (mm)	125 mm
III	Width of the pavement (m)	3.75 m
IV	Compressive Strength of CC in Concrete Pavement / Concrete Block	353.74 N/cm ² ; 358.27 N/cm ² , 362.80 N/cm ²
V	Quality of workmanship joints & Edges etc.	Yes
VI	Quality of wearing surface (Attach the test report of IRI)	—
	Awarded Grade :-	S
10.	<u>Shoulders</u>	N/A (ON GOING)
I	Chainage (m)	—
II	Width of shoulder (m)	—
III	Quality of material for shoulders	—

IV	Degree of Compaction (%) (Attach the test report)	—
	Awarded Grade :-	
11.	<u>Cross Drainage Works</u>	
I	Chainage (m)	3.650 m
II	Type of CD Structure	Slab Culvert
III	Quality of material, such as concrete (Cube Test), Stone / Brick masonry, Hume pipe including size etc.	Yes
IV	Quality of workmanship, such as positioning of Hume pipe, Wing Walls, Cushion over hume pipe, Vent Clearance etc.	Yes
V	Parapet Walls	Yes
	Awarded Grade :-	S
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)	Yes
II	Citizen Information/ Maintenance Board (As per Norms)	Yes
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

[Signature]
 06/12/25

Technical Supervisor

Testing & Quality
 Control Laboratory, R.W.D
 Siwan-2

[Signature]
 06/12/25

[Signature]
 06/12/25

Assistant Engineer

Testing & Quality
 Control Laboratory, R.W.D
 Siwan-2

TESTING AND QUALITY CONTROL LABORATRY
RURAL WORKS DEPARTMENT, SIWAN-2
 Email ID:- aerwdtqclubsivan2@gmail.com

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- 02 BLOCK:- ZIRADEI

NAME OF WORK- REPAIR OF ROAD FROM VIJAYAPUR MORE SE CHANDPALS

ROAD LENGTH- 6.410KM, B.T- 5.800KM, C.C - 0.610 KM

NAME OF AGENCY- M/S AADARSH CONSTRUCTION

AGGREMENT NO:- 03/CMBD/2025-26 Ref:-

DATE OF SAMPLE COLLECTION:- 06/12/2025

TEST FOR BITUMEN CONTENT

Sl no	Chainage	4.690KM	4.200KM	3.200KM	REMARK
1	Date Of Test	08/12/2025	08/12/2025	08/12/2025	Acceptable
2	Wt. Of Mix in gm (A)	510	515	518	
3	Wt. Of Cleared Chips in gm (B)	487.5	492	495.5	
4	Wt. Bitumen in gm (A-B)	22.5	23	22.5	
5	% Of Bitumen W.R to Mix (A-B)/A×100	4.41%	4.47%	4.34%	

NOTE:-

Md. Raif
08-12-25

LAB ASSISTANT
 TESTING AND QUALITY CONTROL
 LABORATRY
 RURAL WORKS DEPARTMENT,
 SIWAN-2

DR
08/12/25

TECHINICAL SUPERVISOR
 TESTING AND QUALITY CONTROL
 LABORATRY
 RURAL WORKS DEPARTMENT,
 SIWAN-2

Man Singh
08/12/25

Myth
08/12/2025

ASSISTANT ENGINEER
 TESTING AND QUALITY CONTROL
 LABORATRY
 RURAL WORKS DEPARTMENT,
 SIWAN-2

TESTING AND QUALITY CONTROL LABORATRY
RURAL WORKS DEPARTMENT, SIWAN-2
Email ID:- aerwdtqclabsiwan2@gmail.com

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- 02 BLOCK:- ZIRADEI

NAME OF WORK- REPAIR OF ROAD FROM VIJAYAPUR MORE SE CHANDPALI

ROAD LENGTH - 6.410KM, BT-5.800KM, C.C-0.610KM

NAME OF AGENCY- M/S AADARSH CONSTRUCTION

AGGREMENT NO:- 03/CMBD/ 2025-2026 Ref:-.....

DATE OF SAMPLE COLLECTION:- 06/12/2025

TEST FOR BITUMEN CONTENT

Sl no	Chainage	4.690KM	4.200KM	3.200KM	REMARK
1	Date Of Test	08/12/2025	08/12/2025	08/12/2025	Acceptable
2	Wt. Of Mix in gm (A)	512	520	517	
3	Wt. Of Cleared Chips in gm (B)	494.5	502.5	499	
4	Wt. Bitumen in gm (A-B)	17.5	17.5	18	
5	% Of Bitumen W.R to Mix (A-B)/A×100	3.42%	3.37%	3.48%	

NOTE:-

Md. Dally
08/12/25

LAB ASSISTANT
TESTING AND QUALITY CONTROL
LABORATRY
RURAL WORKS DEPARTMENT,
SIWAN-2

Mr. Singh
08/12/25

TECHINICAL SUPERVISOR
TESTING AND QUALITY CONTROL
LABORATRY
RURAL WORKS DEPARTMENT,
SIWAN-2

Mr. Singh
08/12/2025

ASSISTANT ENGINEER
TESTING AND QUALITY CONTROL
LABORATRY
RURAL WORKS DEPARTMENT,
SIWAN-2

OFFICE OF THE ASSISTANT ENGINEER

R.W.D TESTING AND QUALITY CONTROL LABORATORY SIWAN -2 (BIHAR)

Name of work :- Cube Test For PCC M-35
 Name of Road :- Repair of Road From Visaypur More to Chandpali
 Name of Division :- R W D Work Division Siwan-2 Date of Collection/Receipt 29.07.25
 Name of Agency :- M/S. Adarsh Const Date of Test 09.08.2025
 Agreement No :- 03/CMBD/2025-26 Package No :- RRSMP/24-25/Siwan-2/07
 Ref:- (PIU) A.E , R.W.D Work Sub Div Ziradei LT No 0 Date 25.07.2025

SL. NO	Test after 28 days			Test after 28 days		
Dt. Of Concreting				11.07.25	11.07.25	11.07.25
Dt. Of test				09.08.25	09.08.25	09.08.25
I D Marks				Z ₁	Z ₂	Z ₃
Area C. M ²				225	225	225
Maximum Load KN				780	790	800
CRUSHING STRENGTH KG/C. M ²				353.74	358.27	362.80
Remarks				—	M-35	—

Remarks :- [M-35 Permissible]

Memo no. Date.....

Copy to:- E.E R.W.D Works Division Siwan -02

Md. Phil
09.08.25
 For L.A

Man Singh
09/08/25
 T.S

PK
09/08/25
 T.S

Shyama
09/08/2025
 A.E

R.W.D Testing and Quality
 Control Laboratory Siwan -2