



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

MUKHYA MANTRI GRAM SADAK UNNAYAN YOJNA

MMGSUY (RRSMP)

QUALITY CONTROL REGISTER - PART-1

Record of Tests

Name of Road - Rampur Line Nahar Me Naya Pul to
Gajrahi Tak.

Block - Rajpur

District - Buxar

length - 3.800 K.m.

प्रमाणित किया गया है कि
इस कार्य में गुण का है 192
केन्द्र

18.09.25
Executive Engineer
R.W.D. (W) Div., Buxar
18/9/25

Prescribed by :

BIHAR RURAL ROADS DEVELOPMENT AGENCY
(AN AGENCY OF THE MINISTRY OF RURAL DEVELOPMENT)
GOVERNMENT OF BIHAR.



ग्रामीण कार्य विभाग

Rural Works Department, Govt of Bihar

MUKHYA MANTRI GRAM SADAK UNNAYAN YOJNA

MMGSUY (RRSMP)

QUALITY CONTROL REGISTER - PART-2

Record of Tests

Name of Road - Rampur line Nahar me Naya put to Gajrahi
Tak.

Block - Raypur

District - Buxar

length - 3.800 K.M

प्रमाणित किया गया है कि ये सड़क
गुणवत्ता से उपयुक्त है


18.09.25
Executive Engineer
R.W.D. (W) Div., Buxar
CM
18/9/25

Prescribed by :

BIHAR RURAL ROADS DEVELOPMENT AGENCY
(AN AGENCY OF THE MINISTRY OF RURAL DEVELOPMENT)
GOVERNMENT OF BIHAR.

(272)

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

- 1 Name of Scheme- RRSMP (Gen)
- 2 Name of Road - Rampur Lane Nahar me Naya pul to Nagarhi
Chainage/Location, 0.040 km, 1.280 km,
- 3 Name of Circle - ARA
2.800 km,
- 4 Name of Division - BUXAR Block- RASPUR
- 5 Length of Road (Sanctioned) - 3.800 km Actual Length- 3.800 km
- 6 Date of inspection- 27/11/2025

Sl. No.	Parameters	Remarks
1	Attention to Quality	
I.	Field laboratory established with all necessary equipment (Attach Geo tagged Photographs)	—
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	'S'
2	Geometrics	
I.	Chainage (m) <u>2.800 km (One sided Camber)</u>	121 mm
II.	Roadway width(m)	—
III.	Carriageway width (m)	3.75 m
IV.	Carriageway camber (%)	3.23 %
V.	Shoulder width (m)	—
VI.	Shoulder camber (%)	—
VII.	Side slope (V:H)	—
VIII.	Super elevation(%) / Widening (m)	—
	Awarded grade	'S'

3	Earth Work and sub grade	N/A
I.	Chainage (m)	-
II.	Soil identification/classification	-
III.	Degree of Compaction (%)	-
	Awarded grade	-
4	Sub-Base	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	Base Coarse-Water Bound Macadam (WMM/WBM)	N/A
I.	Chainage (m)	-
II.	Thickness of each layer of WBM/WMM (mm)	-
III.	Plasticity of Crushable Aggregate	-
IV.	Volume of filter ^{filter} material (%)	-
V.	Gradation of Coarse Aggregate	-
	Awarded grade	-
6	Bituminous Base Coarse (BM)	
I.	Chainage (m) 0.040 km and 1.2800 km	
II.	Percentage of Bitumen Content	3.85%
III.	Thickness of Bituminous layer	54 mm, 55 mm
IV.	Grading of Coarse Aggregate	ok

	Awarded grade	'S'
7	Bituminous Layer-premix Carpet (PMC) / MSS/ SDBC ✓	
I.	Chainage (m) 2.800 km	
II.	Percentage of Bitumen Content	5.23 %
III.	Thickness of Bituminous layer	28 mm
IV.	Grading of Coarse Aggregate	OK
V.	Quality of wearing surface (Attach the test report of IRI)	work is in progress
	Awarded grade	'S'
8	Dry lean Cement Concrete	N/A
I.	Chainage (m)	—
II.	Thickness (mm)	—
III.	Compressive Strength of CC in Concrete Pavement / Concrete Block	—
IV.	Awarded grade	—
9	CC/PQC/Panel Concrete Pavements	N/A
I.	Chainage (m)	—
II.	Thickness of the pavement (mm)	—
III.	Width of the pavement (m)	—
IV.	Compressive Strength of CC in Concrete Pavement / Concrete Block	—
V.	Quality of workmanship joints & edges etc.	—
VI.	Quality of wearing surface (Attach the test report of IRI)	—
	Awarded grade	—
8	Shoulders	N/A
I.	Chainage (m)	—
II.	Width of the shoulder (m)	—
III.	Quality of material for Shoulders	—
IV.	Degree of Compaction (%) (Attach the test report)	—

	Awarded grade	—
9	Cross Drainage Works	N/A
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 pipes, wing walls, cushion over hume pipes, vent clearance etc.	—
V.	Parapet Walls	—
	Awarded grade	—
10	Side Drain and Catch Water Drain	N/A
I.	Chainage (m)	—
II.	General quality of side Drains /Catch Water Drains and their integration with CD Structures	—
	Awarded grade	—
11	Road Furniture and Markings	—
I.	Main informatory Board (As per norms)	Yes
II.	Citizen Informatory/ Maintenance Board (As per norms)	—
III.	Kilometer post/200 m Stone/ Precautionary/ Mandatory Sign Boards	—
IV.	Road Marking	—
	Awarded grade	'S'

Note:-

- * Attach Test Report
- * Attach Relevant Photographs

88
28/11/25

(Signature)

Name of AE/EE/SE-

Office- Buxar

सहायक अभियंता

ग्रामीण कार्य विभाग

जोड़ एवं सुधारता नियंत्रण प्रयोगशाला, बक्सर

ISSUE NO. 148 DATE 28/11/2025

RURAL WORKS DEPARTMENT

Testing and Quality Control Laboratory, Buxar

TEST RESULT FOR BINDER CONTENT (BITUMEN) OF PAVING MIXTURE THROUGH CENTRIFUGE

NAME OF ROAD :- RAMPUR LANE NAHAR MAIN NAYA PUL TO GAJRAHII

NAME OF WORKS DIVISION :- R.W.D. WORKS DIVISION-BUXER

NAME OF AGENCY :- SRI. PRAKASHI SINGH

AGREEMENT NO:- 20/CMBO of 2025-26

Ref:- (PIU) A.E, R.W.D.WORKS SUB DIV. RAMPUR LT NO :- 14

DATE OF COLLECTION / RECEIPT:- 27/11/2025

DATE OF TEST:- 27/11/2025

PACKAGE NO :- PRSMP 195-26/BX0405

DT. 28/11/2025

BINDER CONTENT (BITUMEN) OF SDBC						
SL.NO	OBSERVATIONS	NO. OF TEST				
	(All wt. in gm)	1	2	3	Mean Value	Remarks
		Ch -				
1.	Wt. of mix taken before extraction (A)	1000	1000		5.0 %	Permissible
2.	Wt. of Filter paper before extraction (B)	5.020	5.020			
3.	Wt. of mix after extraction C)	945	948			
4.	Wt. of Filter paper after extraction (D)	5.2	5.3			
5	Wt. of filler collected from extract after allowing for setting (E)	1.2	0.84			
6.	Wt. of filler collected in filter paper (D - B) = F	0.180	0.280			
7.	Wt. of aggregate + filler collected after extraction (C+E+F) = G	946.380	949.120			
8.	Percentage of Bitumen (in the Mix) $\frac{(A-G)}{A} \times 100$	5.36	5.09	5.23		

Copy To: E.E. RWD. Works Division

Buxar
28/11/25

T.S.

R.W.D. Testing and Quality Control Laboratory,
Buxar
विज्ञान और गुणवत्ता नियंत्रण प्रयोगशाला, बुखार

RURAL WORKS DEPARTMENT
Testing and Quality Control Laboratory, Buxar

GRADATION TEST OF (SDBC)

NAME OF ROAD :- RAMPUR LANE NAILAR MAIN NAYA PUL TO GAJRAHI

NAME OF WORKS DIVISION :- R.W.D WORKS DIVISION Buxar

DATE OF COLLECTION / RECEIPT:- 27/11/2025

NAME OF AGENCY :- SRI PRIKSHIT SENBH

DATE OF TEST:- 27/11/2025

AGREEMENT NO:- 20 / cm B D of 2025-26

PACKAGE NO :- PRCMP / 25-26 / Buxar / 18

Ref:- (PIU) A.E. R.W.D WORKS SUB DIV. RAJPUR LT NO :- 12 DT. 01/11/2025

CH-

SL. NO	Sieve No. mm	Weight Retained (gm)	% Wt. Of Retained	Cumulative % Retained	% Of Passing	Required Limit %	Remarks
	13.2 mm	0	0	0	100	100	
	9.5 mm	365	5.42	5.42	94.58	90-100	
	4.75 mm	3155	46.81	52.23	47.77	35-51	
	2.36 mm	635	9.42	61.65	38.35	24-39	
	1.18 MM	788	11.69	73.34	26.66	15-30	
	300 mic	635	9.42	82.76	17.24	9-19	
	75 mic	680	10.09	92.85	7.15	3-8	
	PAN	482	7.15	100.00	0.00		
	Total Wt.	6740					

MemoNo:- 148

Date: 28/11/25

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R.W.D, Works Division Buxar

T.S. (TS)
28/11/25

T.S.

PR
28/11/25

A.E.

R.W.D, Testing and Quality Control Laboratory,
Buxar

सहायक अभियंता
ग्रामीण कार्य विभाग
और एवं गुणवत्ता नियंत्रण प्रयोगशाला, बक्सर

RURAL WORKS DEPARTMENT
Testing and Quality Control Laboratory, Buxar

GRADATION TEST OF (SDBC)

NAME OF ROAD :- RAMPUR LANE NAHAR MAIN NAYA PUL TO GAJRAHI

NAME OF WORKS DIVISION :- R.W.D WORKS DIVISION Buxar

DATE OF COLLECTION / RECEIPT :- 27/11/2025

NAME OF AGENCY :- SRI PREKSHIT SENI

DATE OF TEST :- 27/11/2025

AGREEMENT NO :- 20 / CMBD of 2025-26

PACKAGE NO :- PR2MP/25-26/Buxar/05

Ref:- (PIU) A.E. R.W.D WORKS SUB DIV RAMPUR LT NO :- 14 DT 01/11/2025

CH-

SL. NO	Sieve No. mm	Weight Retained (gm)	% Wt. Of Retained	Cumulative % Retained	% Of Passing	Required Limit %	Remarks
	13.2 mm	0	0	0	100	100	
	9.5 mm	310	4.88	4.88	95.12	90-100	
	4.75 mm	3100	48.78	53.66	46.34	35-51	
	2.36 mm	580	9.13	62.79	37.21	24-39	
	1.18 MM	733	11.53	74.32	25.68	15-30	
	300 mic	580	9.13	83.45	16.55	9-19	
	75 mic	625	9.83	93.28	6.72	3-8	
	PAN	427	6.72	100.00	0.00		
	Total Wt.	6355					

MemoNo:- 148

Date 28/11/25

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R.W.D, Works Division Buxar

BR (TS)
28/11/25

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28/11/25

A.E.

R.W.D, Testing and Quality Control Laboratory.

Buxar

ग्रामीण कार्य विभाग

प्रौद्योगिकी एवं गुणवत्ता नियंत्रण प्रयोगशाला, बुखार

ISSUE NO. 148 DATE 28/11/2025

RURAL WORKS DEPARTMENT

Testing and Quality Control Laboratory, Buxar

TEST RESULT FOR BINDER CONTENT (BITUMEN) OF PAVING MIXTURE THROUGH CENTRIFUGE

NAME OF ROAD :- RAMPUR LANE NAHAR MAIN NAYA PUL TO GAJRAHI

NAME OF WORKS DIVISION :- R.W.D WORKS DIVISION- BUNER

NAME OF AGENCY :- SEI PRAKSHIT -SIAMHIL

AGREEMENT NO:- 90/CORR.BD.DF 2025-26

DATE OF COLLECTION / RECEIPT:- 27/11/2025

DATE OF TEST:- 22/11/2025

PACKAGE NO :- PR Samp / 25-26/Buxar/05

Ref:- (PIU) A.E, R.W.D.WORKS SUB DIV RAMPUR LT NO :- 121 DT 27/11/2025

BINDER CONTENT (BITUMEN) OF BM				
SL.NO	OBSERVATIONS	NO. OF TEST		
	(All wt. in gm)	1	2	3
	Ch-			
1.	Wt. of mix taken before extraction (A)	1000	1000	
2.	Wt. of Filter paper before extraction (B)	5.020	5.020	
3.	Wt. of mix after extraction C)	960	960	
4.	Wt. of Filter paper after extraction (D)	5.26	5.29	
5	Vat. I filler collected from extract after allowing for setting (E)	1.43	1.00	
6.	Wt. of filler collected in filter paper (D - B) = F	0.240	0.270	
7.	Wt. of aggregate + filler collected after extraction (C+E+F) = G	961.670	961.270	
8.	Percentage of Bitumen (in the Mix) $\frac{(A-G) \times 100}{A}$	3.83	3.87	3.85
				Result Ok

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15.12.25 28/11/25

T.S.

A.E.
R.W.D. Testing and Quality Control Laboratory.

बिस्मिल कामियाता
ग्रामीण कार्य विभाग
जोष एवं गुणवत्ता नियंत्रण प्रयोगशाला, बुक्सर

28/11/25

RURAL WORKS DEPARTMENT
Testing and Quality Control Laboratory, Buxar

GRADATION TEST OF (BM)

NAME OF ROAD :- RAMPUR LANE NAIHAR MAIN NAYA PUL TO GAJRAHI

NAME OF WORKS DIVISION :- R.W.D WORKS DIVISION Buxar

DATE OF COLLECTION / RECEIPT :- 27/11/2025

NAME OF AGENCY :- SRI PREKSHIT SINGH

DATE OF TEST :- 27/11/2025

AGREEMENT NO :- 20 / CMBD OF 2025-26

PACKAGE NO :- RRSMP/25-26/Buxar/05

Ref:- (PIU) A.E. R.W.D WORKS SUB DIV RAJPUR LT NO :- 14 DT. 01/11/2025

CH-

SL. NO	Sieve No. mm	Weight Retained (gm)	% Wt. Of Retained	Cumulative % Retained	% Of Passing	Required Limit %	Remarks
	26.5 mm	0	0	0	100	100	
	19 mm	402	9.45	9.45	90.55	90-100	
	13.2 mm	1010	23.75	33.21	66.79	56-88	
	4.75 mm	1858	43.70	76.90	23.10	16.36	
	2.36 mm	322	7.57	84.48	15.52	4-19	
	300 mic	482	11.34	95.81	4.19	2-10	
	75 mic	178	4.19	100.00	0.00	0-8	
	Total Wt.	4252					

Memo No :- 148

Date :- 28/11/2025

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R.W.D, Works Division Buxar

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28/11/25

A.E.

R.W.D, Testing and Quality Control Laboratory,

Buxar

सहायक अभियंता

ग्रामीण कार्य विभाग

औध एवं गुणवत्ता नियंत्रण प्रयोगशाला, बक्सर

RURAL WORKS DEPARTMENT
Testing and Quality Control Laboratory, Buxar

GRADATION TEST OF (BM)

NAME OF ROAD :- RAMPUR LANE NAHAR MAIN NAYA PUL TO GAJRAHI

NAME OF WORKS DIVISION :- R.W.D WORKS DIVISION Buxar

DATE OF COLLECTION / RECEIPT :- 22/11/2025

NAME OF AGENCY :- SRI PRKSHIT SINGH

DATE OF TEST :- 22/11/2025

AGREEMENT NO :- 20 / CMBD of 2025-26

PACKAGE NO :- PRGMP / 23-26 / Buxar / 05

Ref:- (PIU) A.E. R.W.D WORKS SUB DIV RAMPUR LT NO :- 124 DT 01/11/2025

CIL-

SL. NO	Sieve No. mm	Weight Retained (gm)	% Wt. Of Retained	Cumulative % Retained	% Of Passing	Required Limit %	Remarks
	26.5 mm	0	0	0	100	100	
	19 mm	389	9.32	9.32	90.68	90-100	
	13.2 mm	997	23.89	33.21	66.79	56-88	
	4.75 mm	1845	44.20	77.41	22.59	16.36	
	2.36 mm	309	7.40	84.81	15.19	4-19	
	300 mic	469	11.24	96.05	3.95	2-10	
	75 mic	165	3.95	100.00	0.00	0-8	
	Total Wt.	4174					

Memo No :- 148

Date :- 28/11/25

Copy Forwarded to:- Executive Engineer

R.W.D, Works Division Buxar

—BIR (T8)
28/11-25

T.S.

SR
28/11/25

A.E.

R.W.D, Testing and Quality Control Laboratory,
Buxar

सहायक अभियंता
ग्रामीण कार्य विभाग
जल एवं गुणवत्ता नियंत्रण प्रयोगशाला, बक्सर

8/5
28/11/25

8/5 (78)
28/11/25

