

सहायक अभियंता का कार्यालय

ग्रामीण कार्य विभाग, जाँच एवं गुणवत्ता नियंत्रण प्रयोगशाला, वीरपुर ।

Email ID:- tgclab-virpur25@bihar.gov.in

पत्रांक:- 18 (अनु०) / वीरपुर

दिनांक:- 23 / 09 / 25

प्रेषक,

सहायक अभियंता,
ग्रामीण कार्य विभाग,
जाँच एवं गुणवत्ता नियंत्रण प्रयोगशाला, वीरपुर ।

सेवा में,

कार्यपालक अभियंता
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, वीरपुर ।

विषय:- पथों में किए गए जाँच फल के संबंध में ।

प्रसंग:- कार्यपालक/सहायक अभियंता का पत्रांक कैम्प दिनांक 20 / 09 / 2025
महाशय

उपरोक्त विषयांकित संदर्भ में कहना है कि आपके प्रमंडलाधीन निर्माण कराए जा रहे पथों/पूल-पुलियों में प्रयुक्त किए जा रहे सामग्रियों के नमूनों को जाँचोपरांत जाँच प्रतिवेदन सलंगन कर भेजा जा रहा है, जो निम्नावत है ।

पथ/पूल का नाम:- SH-91 Hanuman mandir to SSB
HQ Birsar.

योजना:- RRSMP

संवेदक:- Alok Kumar Singh. (J.V.)

नमूना:- SDBC, BM, PCC M-35, G.S.B-4x-II, WBM-4x-III

स्वीकृत/अस्वीकृत:- स्वीकृत

विश्वासभाजन

SLP
23/09/25

सहायक अभियंता

जाँच एवं गुणवत्ता नियंत्रण प्रयोगशाला,
ग्रामीण कार्य विभाग, वीरपुर ।

TESTING AND QUALITY CONTROL LABORATORY

RURAL WORKS DEPARTMENT, VIRPUR

Email ID:- tqclab-virpur25@bihar.gov.in

TEST RESULT OF CONCRETE CUBE

CUBE TEST OF:- M-35 SCHEME:- RRSMP
NAME OF DIVISION:- R.W.D, WORKS DIVISION VIRPUR
NAME OF WORK:- SH-91 Hanuman mandir to SSB
H.B. Virpur.
NAME OF AGENCY:- Alak Kumar Singh. (J.V)
REF:- Sample collected By AF LETTER NO:- Comp DATE:- 20/09/2025
CH:- DATE OF TEST:- 23/09/2025

SL No.	CUBE TEST ON 28 DAYS				Remarks
	1	2	3	4	
1	Date Of Concreting	<u>18-08-2025</u>	<u>18-08-2025</u>	<u>18-08-2025</u>	PERMISSIBLE
2	Date Of Test	<u>23-09-2025</u>	<u>23-09-2025</u>	<u>23-09-2025</u>	
3	ID Mark	<u>C1</u>	<u>C2</u>	<u>C3</u>	
4	Area (CM2)	<u>225</u>	<u>225</u>	<u>225</u>	
5	Maximum Load (KN)	<u>797</u>	<u>795</u>	<u>789</u>	
6	Crushing Strength (Kg/CM2)	<u>361.207</u>	<u>360.301</u>	<u>357.581</u>	
7	Mix Design M- <u>35</u>				

23/09/2025
Technical Supervisor:

Testing & Quality
Control Laboratory, R.W.D
Virpur

23/09/2025
Assistant Engineer

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Control Laboratory, R.W.D
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TEST RESULT FOR BITUMEN CONTENT OF SDBC/BM/MSS/PMC/SURFACE DRESSING

TEST FOR BITUMEN CONTENT OF :- SDBC SCHEME: RRSMP

NAME OF DIVISION:- R.W.D, WORKS DIVISION VIRPUR

NAME OF WORK:- SH-91 Hawwarem mandir to SSB
H.O. Birpur

NAME OF AGENCY:- Alok Kumar Singh. (J.V)

REF:- Sample collected by A.F LETTER NO:- Caomp DATE:- 20/09/2025

CH:- DATE OF TEST:- 23/09/2025

SL No.	TEST FOR BITUMEN CONTENT				Remarks
	1	2	3	4	
1	Date Of Test	<u>23-09-2025</u>	<u>23-09-2025</u>	<u>23-09-2025</u>	PERMISSIBLE
2	Wt. Of Mix in gm (A)	<u>515.250</u>	<u>510.396</u>		
3	Wt. Of Cleared Chips in gm (B)	<u>488.205</u>	<u>482.570</u>		
4	Volume Of Bituminous (C)				
5	Wt. Bitumen in gm (A-B)	<u>27.045</u>	<u>27.856</u>		
6	Density Of Mix (A/C)				
7	% Of Bitumen W.R to Mix (A-B)/A×100	<u>5.248</u>	<u>5.452</u>		

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

TEST FOR BITUMEN CONTENT OF :- BM SCHEME: RRSMP

NAME OF DIVISION:- R.W.D, WORKS DIVISION VIRPUR

NAME OF WORK:- SH-91 Harwanam mandir to SSB
HQ Bilpur

NAME OF AGENCY:- Alok Kumar Singh (J.V)

REF:- Sample collected by A.E LETTER NO:- Camp DATE:- 20/09/2025

CH:- DATE OF TEST:- 23/09/2025

SL No.	TEST FOR BITUMEN CONTENT				Remarks
	1	2	3	4	
1	Date Of Test	<u>23-09-2025</u>	<u>23-09-2025</u>		PERMISSIBLE
2	Wt. Of Mix in gm (A)	<u>999.055</u>	<u>506.267</u>		
3	Wt. Of Cleared Chips in gm (B)	<u>482.403</u>	<u>488.953</u>		
4	Volume Of Bituminous (C)				
5	Wt. Bitumen in gm (A-B)	<u>16.652</u>	<u>17.314</u>		
6	Density Of Mix (A/C)				
7	% Of Bitumen W.R to Mix (A-B)/A×100	<u>3.391</u>	<u>3.420</u>		

OK
23/09/2025
Technical Supervisor

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SLR
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Assistant Engineer

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GRADATION TEST OF

G.S.B GRADING-II

SCHEME:-

RRSMP

NAME OF DIVISION:- R.W.D, WORKS DIVISION VIRPUR

NAME OF WORK:- SH-91 HANUMAN MANDIAR TO SSB

HQ BIRPUR

NAME OF AGENCY:- ALOK KUMAR SINGH (J.V)

REF:- SAMPLE COLLECTED BY AE LETTER NO:- CAMP DATE:- 20/09/2025

CH:-

DATE OF TEST:- 23/09/2025

SL No.	Sieve No. (mm)	Weight Retained (kg)	% Wt. of Retained	Cumulative % Retained (kg)	% Of Passing (kg)	Required Limit %	Remarks
1	2	3	4	5	6	7	8
Weight Of Sample:- <u>44.524 kg</u>							<u>PERMISTIBLE</u>
1	53 mm	<u>0</u>	<u>0</u>	<u>0</u>	<u>100</u>	100	
2	26.5 mm	<u>14.061</u>	<u>31.58</u>	<u>31.58</u>	<u>68.42</u>	50-80	
3	4.75 mm	<u>19.622</u>	<u>44.07</u>	<u>75.65</u>	<u>24.35</u>	15-35	
4	0.075 mm	<u>7.529</u>	<u>16.91</u>	<u>92.56</u>	<u>7.44</u>	0-10	

23/09/2025

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23/09/25

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PHYSICAL & GRADATION TEST OF W.B.M. GRADING-III

SCHEME:- RRSMP

NAME OF DIVISION:- R.W.D, WORKS DIVISION VIRPUR

NAME OF WORK:- SH-91 HANUMAN MANDIR TO SSB
HQ BIRPUR

NAME OF AGENCY:- ALOK KUMAR SINGH

REF:- SAMPLE COLLECTED BY A.C LETTER NO:- CAMP DATE:- 20/09/2025

CH:-

DATE OF TEST:- 23/09/2025

PHYSICAL TEST:-

SL No.	A.I.V		WATER ABSORPTION		REMARKS
	TEST VALUE %	REQUIRED LIMIT %	TEST VALUE %	REQUIRED LIMIT %	
	17.98%	40%	0.86%	2%	permissible

GRADATION TEST:-

SL No.	Sieve No. (mm)	Weight Retained (kg)	% Wt. Of Retained	Cumulative % Retained (kg)	% Of Passing (kg)	Required Limit (%)	Remarks
1	2	3	4	5	6	7	8
	Total Weight Of WBM Sample:- <u>34.065 kg</u> Weight Of Screening Sample:- <u>5.916 kg</u> Weight Of Sample:- <u>28.149 kg</u>						PERMISSIBLE
2	63 mm	0	0	0	100	100	
3	53 mm	0.799	2.84	2.84	97.16	95-100	
4	45 mm	6.883	24.452	27.292	72.708	65-90	
5	22.4 mm	19.778	70.262	97.554	2.446	0-10	
6	11.2 mm	0.654	2.323	99.877	0.123	0-5	

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