

(277)

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

- 1 Name of Scheme - RRSMP (Gm)  
 2 Name of Road - SH 101 - Hawaspur Chainage/Location 100m  
 3 Name of Circle - Samastipur  
 4 Name of Division - Patali Block - Patali  
 5 Length of Road (Sanctioned) - 2120m Actual Length -  
 6 Date of inspection - 29/12/2025

Sl. No.	Parameters	Remarks
<b>1</b>	<b>Attention to Quality</b>	
I.	Field laboratory established with all necessary equipment (Attach Geo tagged Photographs)	<u>Yes, Satisfactory</u>
II.	QC Register Part-1 & Part-2 maintained and mandatory test conducted as per provisions	<u>Yes, Satisfactory</u>
III.	Mention the name of tests conducted & their findings related to the following materials	
(a)	Cement/concrete	<u>NA</u>
(b)	Sand	<u>NA</u>
(c)	Stone	<u>NA</u>
(d)	Steel	<u>NA</u>
	Awarded grade	<u>/S/</u>
<b>2</b>	<b>Geometrics</b>	
I.	Chainage (m)	<u>100m</u>
II.	Roadway width(m)	<u>5.2m</u>
III.	Carriageway width (m)	<u>3.75m</u>
IV.	Carriageway camber (%)	<u>2.38%</u>
V.	Shoulder width (m)	<u>Ongoing - NA</u>
VI.	Shoulder camber (%)	<u>Ongoing - NA</u>
VII.	Side slope (V:H)	<u>Ongoing - NA</u>
VIII.	Super elevation(%) / Widening (m)	<u>NA</u>
	Awarded grade	<u>/S/</u>

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<b>3</b>	<b>Earth Work and sub grade</b>	
I.	Chainage (m)	
II.	Soil identification/classification	
III.	Degree of Compaction (%)	
	Awarded grade	
<b>4</b>	<b>Sub-Base</b>	
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	
<b>5</b>	<b>Base Coarse-Water Bound Macadam (WMM/WBM)</b>	
I.	Chainage (m)	
II.	Thickness of each layer of WBM/WMM (mm)	
III.	Plasticity of Crushable Aggregate	
IV.	Volume of <del>filter</del> <sup>filler</sup> material (%)	
V.	Gradation of Coarse Aggregate	
	Awarded grade	
<b>6</b>	<b>Bituminous Base Coarse (BM)</b>	
I.	Chainage (m)	
II.	Percentage of Bitumen Content	
III.	Thickness of Bituminous layer	
IV.	Grading of Coarse Aggregate	

	Awarded grade	← NA →
<b>7</b>	<b>Bituminous Layer-premix Carpet (PMC) / MSS/ SDBC</b>	
I.	Chainage (m)	
II.	Percentage of Bitumen Content	
III.	Thickness of Bituminous layer	
IV.	Grading of Coarse Aggregate	
V.	Quality of wearing surface (Attach the test report of IRI)	
	Awarded grade	
<b>8</b>	<b>Dry lean Cement Concrete</b>	
I.	Chainage (m)	
II.	Thickness (mm)	
III.	Compressive Strength of CC in Concrete Pavement / Concrete Block	
IV.	Awarded grade	
<b>9</b>	<b>CC/PQC/Panel Concrete Pavements</b>	
I.	Chainage (m)	100 m
II.	Thickness of the pavement (mm)	125 mm
III.	Width of the pavement (m)	3.75 m
IV.	Compressive Strength of CC in Concrete Pavement / Concrete Block	
V.	Quality of workmanship joints & edges etc.	Satisfactory 'S'
VI.	Quality of wearing surface (Attach the test report of IRI)	← NA →
	Awarded grade	'S'
<b>8</b>	<b>Shoulders</b>	
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	— NA —
<b>9</b>	<b>Cross Drainage Works</b>	
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	
<b>10</b>	<b>Side Drain and Catch Water Drain</b>	
I.	Chainage (m)	
II.	General quality of side Drains /Catch Water Drains and their integration with CD Structures	
	Awarded grade	
<b>11</b>	<b>Road Furniture and Markings</b>	
I.	Main informatory Board (As per norms)	Yes-Satisfactory
II.	Citizen Informatory/ Maintenance Board (As per norms)	Yes-Satisfactory
III.	Kilometer post/200 m Stone/ Precautionary/ Mandatory Sign Boards	— NA —
IV.	Road Marking	— NA —
	Awarded grade	15'

Remarks:- PCC surface Completed. Work is in Satisfactory Condition

**Note:-**

- \* Attach Test Report
- \* Attach Relevant Photographs

Vivek Rai  
29/12/2018

(Signature)

Name of AE/EE/SE-VIVEK KUMAR RAI  
Office- TN&C - Lab  
Pottery

# REBOUND HAMMER TEST

Road Name:- SH TO1 - Hawaspar

Package no:- RRJMP/24-25/Patani/04

Location:- CH-100m / CH-220m

Structure:- PCC - M35 - Pavement

Date:- 29.12.2025

Sl No.	Observation of Rebound Hammer Test R- Value		Remarks
1	CH-100m 34	CH-220m 40	Assuming correction factor = 0.97
2	34	42	
3	40	36	
4	42	30	
5	39	38	
6	40	42	
7	36	36	Assuming correction factor = 0.97 Compressive Strength as per taking consideration of 0.97 Correction Factor .
8	39	34	
9	38	38	
10	Total = 342	Total = 336	
11	Avg = $\frac{342}{9} = 38.00$	Avg = $\frac{336}{9} = 37.33$	
12			
13			

Avg Compressive strength=..... Mpa

$$CH-100m \rightarrow 38.00 \times 0.97 = 36.86 \text{ MPa}$$

$$CH-220m \rightarrow 37.33 \times 0.97 = 36.21 \text{ MPa}$$

Boyeed  
29/12/25  
Tested By

Vinick Pn  
29/12/2015  
AE

Checked By TNCB lab  
Patani