(222)

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

1 Name of Scheme- RRSMP (SC)
2 Name of Road - SH to Hasanpur Chainage/Location
3 Name of Circle - Samastipur
4 Name of Division - Samastipur Block- Kalyanpur
5 Length of Road (Sanctioned) - 0.880 Km Actual Length- 0.880 Km
6 Date of inspection- 08-10-2025

| Sl. No. | Parameters | Remarks | |
|---|---|---|---|
| 1 | **Attention to Quality** | | |
| I. | Field laboratory established with all necessary equipment (Attach Geo tagged Photographs) | Yes - Satisfactory | |
| II. | QC Register Part-1 & Part-2 maintained and mandatory test conducted as per provisions | Yes - Satisfactory | |
| III. | Mention the name of tests conducted & their findings related to the following materials | | |
| (a) | Cement/concrete | NA | |
| (b) | Sand | NA | |
| (c) | Stone | NA | |
| (d) | Steel | NA | |
| | Awarded grade | Satisfactory (S) | |
| 2 | **Geometrics** | | |
| I. | Chainage (m) | 180m | 810m |
| II. | Roadway width(m) | 5.50m | 5.50m |
| III. | Carriageway width (m) | 3.75m | 3.75m |
| IV. | Carriageway camber (%) | 2.19% | 2.35% |
| V. | Shoulder width (m) | NA | |
| VI. | Shoulder camber (%) | NA | |
| VII. | Side slope (V:H) | NA | |
| VIII. | Super elevation(%) / Widening (m) | NA | |
| | Awarded grade | Satisfactory (S) | |

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

| | | |
|---|---|---|
| | Awarded grade | NA |
| 7 | **Bituminous Layer-premix Carpet (PMC) / MSS/ SDBC** | |
| I. | Chainage (m) | |
| II. | Percentage of Bitumen Content | |
| III. | Thickness of Bituminous layer | NA |
| IV. | Grading of Coarse Aggregate | |
| V. | Quality of wearing surface (Attach the test report of IRI) | |
| | Awarded grade | NA |
| 8 | **Dry lean Cement Concrete** | |
| I. | Chainage (m) | |
| II. | Thickness (mm) | NA |
| III. | Compressive Strength of CC in Concrete Pavement / Concrete Block | |
| IV. | Awarded grade | NA |
| 9 | **CC/PQC/Panel Concrete Pavements** | |
| I. | Chainage (m) | 180 m \| 810 m |
| II. | Thickness of the pavement (mm) | 125 mm \| 125 mm |
| III. | Width of the pavement (m) | 3.75 \| 3.75 m |
| IV. | Compressive Strength of CC in Concrete Pavement / Concrete Block | 38.91 MPa \| 39.77 MPa |
| V. | Quality of workmanship joints & edges etc. | Satisfactory (S) |
| VI. | Quality of wearing surface (Attach the test report of IRI) | NA ongoing work |
| | Awarded grade | Satisfactory (S) |
| 8 | **Shoulders** | |
| I. | Chainage (m) | |
| II. | Width of the shoulder (m) | |
| III. | Quality of material for Shoulders | NA |
| IV. | Degree of Compaction (%)(Attach the test report) | |

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

PCC Pavement surface Completed & Road marking done.
Work is in Satisfactory Condition.

**Note:-**
* Attach Test Report
* Attach Relevant Photographs

8/10/2015

(Signature)

**Name of AE/~~EE/SE~~-** RISHI RAJ

**Office-**

TNRC-Lab
Samastipur

# REBOUND HAMMER TEST

Name of Road:- SH to Hasanpur
Package No:- RRSMP/25-26-Samastipur/04
Location:- CH - 180m
Structure:- PQC-M-35-Pavement
Date:- 8-10-2025

| Sl No | Observation of Rebound Hammer Test R-Value | Remarks |
|---|---|---|
| 1 | 39 | Assuring Correction Factor= 0.97 |
| 2 | 38 | |
| 3 | 42 | Compressive Strength |
| 4 | 41 | = 38.91 Mpa |
| 5 | 39 | |
| 6 | 37 | |
| 7 | 43 | Assuming Correction Factor=0.97 |
| 8 | 44 | Compressive Strength as Per Taking Consideration of 0.97 Correction Factor |
| 9 | 38 | |
| 10 | Total = 361 | |
| 11 | Avg. value of Rebound Hammer | |
| 12 | = 361/9 = 40.11 | |
| 13 | | |

Average, Compressive Strength = 40.11 X 0.97 Mpa
= 38.91 Mpa

Tested By

8/10/2025
AE
TNRC-lab
Samastipur

Checked By

# REBOUND HAMMER TEST

Name of Road:- SH to Hasanpur
Package No:- RRSMP/25-26-Samastipur/04
Location:- CH - 810 m
Structure:- PQC-M-35-Pavement
Date:- 8-10-2025

| Sl No | Observation of Rebound Hammer Test R-Value | Remarks |
|---|---|---|
| 1 | 38 | Assuring Correction Factor= |
| 2 | 41 | 0.97 |
| 3 | 39 | Compressive Strength |
| 4 | 43 | = 39.77 Mpa Mpa |
| 5 | 44 | |
| 6 | 40 | |
| 7 | 39 | Assuming Correction Factor=0.97 Compressive Strength as Per Taking Consideration of 0.97 Correction Factor |
| 8 | 43 | |
| 9 | 42 | |
| 10 | Total = 369 | |
| 11 | Avg. Value of Rebound Hammer | |
| 12 | = 369/9 = 41.00 | |
| 13 | | |

Average, Compressive Strength = 41.00 X 0.97 Mpa
= 39.77 Mpa

Tested By

8/10/2025
AE
TNQC-Lab
Samastipur

Checked By