

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

- (272)
- 1 Name of Scheme - RR SMP (GREN) 69 (SH-69) to green farther part mandaripur
  - 2 Name of Road - Rajkije uchr road Chainage/Location 3550 m TSL
  - 3 Name of Circle - palnq
  - 4 Name of Division - paligoni Block- paligoni
  - 5 Length of Road (Sanctioned) - 4.00 km Actual Length- 4.00 km
  - 6 Date of inspection- 15/12/2025

| Sl. No. | Parameters                                                                                | Remarks |
|---------|-------------------------------------------------------------------------------------------|---------|
| 1       | <b>Attention to Quality</b>                                                               |         |
| 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   | Yes     |
| (a)     | Cement/concrete                                                                           | —       |
| (b)     | Sand                                                                                      | —       |
| (c)     | Stone                                                                                     | —       |
| (d)     | Steel                                                                                     | —       |
|         | <b>Awarded grade</b>                                                                      | S       |
| 2       | <b>Geometrics</b>                                                                         |         |
| I.      | Chainage (m)                                                                              | 3545    |
| II.     | Roadway width(m)                                                                          | 6.00    |
| III.    | Carriageway width (m)                                                                     | 3.75    |
| IV.     | Carriageway camber (%)                                                                    | 3.05    |
| V.      | Shoulder width (m)                                                                        | 1.125   |
| VI.     | Shoulder camber (%)                                                                       | 3.7     |
| VII.    | Side slope (V:H)                                                                          | 1:2     |
| VIII.   | Super elevation(%) / Widening (m)                                                         | 6.10%   |
|         | <b>Awarded grade</b>                                                                      | S       |

|      |                                                            |                  |
|------|------------------------------------------------------------|------------------|
| 3    | Earth Work and sub grade                                   |                  |
| I.   | Chainage (m)                                               | —                |
| II.  | Soil identification/classification                         | —                |
| III. | Degree of Compaction (%)                                   | —                |
|      | Awarded grade                                              | N/A              |
| 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                                              | N/A              |
| 5    | Base Coarse-Water Bound Macadam (WMM/WBM)                  |                  |
| I.   | Chainage (m)                                               | 3550             |
| II.  | Thickness of each layer of WBM/WMM (mm)                    | 75               |
| III. | Plasticity of Crushable Aggregate                          |                  |
| IV.  | Volume of <del>filler</del> <sup>filler</sup> material (%) |                  |
| V.   | Gradation of Coarse Aggregate                              | S                |
|      | Awarded grade                                              | 'S'              |
| 6    | Bituminous Base Coarse (BM)                                |                  |
| I.   | Chainage (m)                                               | Work not started |
| II.  | Percentage of Bitumen Content                              |                  |
| III. | Thickness of Bituminous layer                              |                  |
| IV.  | Grading of Coarse Aggregate                                |                  |

(275)

|      |                                                                  |       |
|------|------------------------------------------------------------------|-------|
|      | Awarded grade                                                    |       |
| 7    | Bituminous Layer-premix Carpet (PMC) / MSS/ SDBC                 |       |
| 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                                                    | NA    |
| 8    | Dry lean Cement Concrete                                         |       |
| 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                                  |       |
| 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                                                    | NA    |
| 8    | Shoulders                                                        |       |
| I.   | Chainage (m)                                                     | 3545  |
| II.  | Width of the shoulder (m)                                        | 1.125 |
| III. | Quality of material for Shoulders                                | good  |
| IV.  | Degree of Compaction (%) (Attach the test report)                |       |

274

|      |                                                                                                                     |        |
|------|---------------------------------------------------------------------------------------------------------------------|--------|
|      | Awarded grade                                                                                                       | 'S'    |
| 9    | <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                                                                                                       | - NA - |
| 10   | <b>Side Drain and Catch Water Drain</b>                                                                             |        |
| I.   | Chainage (m)                                                                                                        | - NA - |
| II.  | General quality of side Drains /Catch Water Drains and their integration with CD Structures                         | - NA - |
|      | Awarded grade                                                                                                       | NA     |
| 11   | <b>Road Furniture and Markings</b>                                                                                  |        |
| 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

15/12/25  
(Signature)  
Name of AE/EE/SE-  
Office-

# OFFICE OF THE ASSISTANT ENGINEER

R.W.D., TESTING & QUALITY CONTROL LABORATORY, BAHAMAT  
A.I.V. AND GRADATION TEST OF COARSE AGGREGATE OBSERVATION SHEET / TEST REPORT

Name of Work / Project :- Rajkige uchi road 49 (SH-69) to 677m Farhepet mahanipin  
Name of Scheme :- RRSmp/600)  
Name of Agency :- m/s mother Indig  
Name of Sample :- WMM  
Location :- 3550 m  
Package No. / Agreement No. :-  
Ref. :- Material sent by E.E. / A.E. R.W.D. Works Division / Sub Division .....  
Vide letter No. .... DI. ....

Date of Collection / Received in Lab. :- 15/12/25  
Date of Test :- 15/12/25

| A.I.V. Test Report (On Field / Lab) |                      |                               |            |              |                 |         |
|-------------------------------------|----------------------|-------------------------------|------------|--------------|-----------------|---------|
| No. of obs.                         | Wt. taken in gms (A) | Wt. after crushing in gms (B) | A-B in gms | % of passing | Mean value in % | Remarks |
| 1.                                  |                      |                               | done       |              |                 |         |
| 2.                                  |                      | not                           |            |              |                 |         |
| 3.                                  |                      |                               |            |              |                 |         |

| Gradation Test Report (On Field / Lab) |                    |                            |                   |                     |              |                |         |
|----------------------------------------|--------------------|----------------------------|-------------------|---------------------|--------------|----------------|---------|
| Sl. No.                                | Sieve Size in (mm) | Weight of sample taken Kgs |                   |                     |              |                | Remarks |
|                                        |                    | Weight Retained            | % of Wt. Retained | % of Cumm. Retained | % of Passing | Required Value |         |
| 1                                      | 53.0               | 0                          | 0%                | 0%                  | 0%           | 100            | pass    |
| 2                                      | 45                 | 1809                       | 4.21              | 4.21                | 95.79        | 95-100         | pass    |
| 3                                      | 22.4               | 8334                       | 19.40             | 23.61               | 76.39        | 60-80          | pass    |
| 4                                      | 11.20              | 10103                      | 23.51             | 47.12               | 52.88        | 40-60          | pass    |
| 5                                      | 4.75               | 6658                       | 15.50             | 62.62               | 37.38        | 25-40          | pass    |
| 6                                      | 2.360              | 7904                       | 18.40             | 81.02               | 18.98        | 15-30          | pass    |
| 7                                      | 0.600              | 4085                       | 9.51              | 90.53               | 9.47         | 8-22           | pass    |
| 8                                      | 0.075              | 4066                       | 9.46              | 99.99               | 0.012-17     | 0-8            | pass    |
| 9                                      | Pan                | 230                        |                   |                     |              | 100            |         |

42959Kg

Testing & Quality Control Laboratory  
R.W.D. Bahamat

A.E.  
15/12/25

paligani