

Annexure I  
Form I- Part I

Format for information to SQM for Inspection of PMGSY Work  
PART I- Work Information (To be filled up by P/U)

Work is ☐ Ongoing ☒ Completed

GENERAL:

- 1.1. Date of Inspection      
1.2. Name of State Quality Monitor:   
1.3. District:  Block:   
1.4. Name of Road: From  TO   
1.5. Package No.:   
1.6. Length: ....Km Flexible Pavement, .....Km. CC/other Pavement: .....m,  
Total  Km  
1.7. Estimated Cost (As cleared by GOD):  Lakh  
1.8. Technical Sanction Cost:  Lakh  
1.9. The Work is a Case of: ☐ New connectivity ☒ Up ~~gradation~~  
1.10. Terrain ☒ Plain ☐ Rolling ☐ Hilly  
1.11. Date of Start of the Work:     
1.12. Stipulated Date of Completion:     
1.13. Actual Date of Completion (if work completed):   
2. **PHYSICAL PROGRESS:** (In case of On going works only) Construction Programme and Physical Progress:

| Item                        | Completed percentage of Item | Dates for completion | Start Date | Completion Date | Delay in Months |
|-----------------------------|------------------------------|----------------------|------------|-----------------|-----------------|
| Earth Work                  | 90%                          | Due                  |            |                 |                 |
|                             |                              | Actual               |            |                 |                 |
| CD Works                    | 100%                         | Due                  |            |                 |                 |
|                             |                              | Actual               |            |                 |                 |
| Sub base i/c Shoulders      | 95%                          | Due                  |            |                 |                 |
|                             |                              | Actual               |            |                 |                 |
| Base Course (Non Bitu.)     | 75%                          | Due                  |            |                 |                 |
|                             |                              | Actual               |            |                 |                 |
| Base /Wearing Course(Bitu.) | —                            | Due                  |            |                 |                 |
|                             |                              | Actual               |            |                 |                 |
| CC Pavement                 | 100%                         | Due                  |            |                 |                 |
|                             |                              | Actual               |            |                 |                 |
| Signage etc                 | —                            | Due                  |            |                 |                 |
|                             |                              | Actual               |            |                 |                 |

### 3. QUALITY CONTROL

- 3.1. Location of Field Laboratory: *At 42, 200 A*
- 3.2. Quality Control Register Part-I is maintained by: *Contractor*
- 3.3. Quality Control Register Part-II is maintained by: *PIU*

### 4. INSPECTIONS BY NQM, SQM or SENIOR OFFICERS AND ACTION TAKEN:

Inspection by NQM, SQMs and senior (i.e. SE or CE) departmental officers and action taken statement:

| Date of Visit | Inspected By                       | Observations | Action Taken by PIU with Date |
|---------------|------------------------------------|--------------|-------------------------------|
| 17-6-18       | En. Sudhakar Kumar<br>Arora<br>NQM | Satisfactory | NA                            |
| 26-11-18      | En. Umesh Kumar<br>Sharma<br>SQM   | Satisfactory | NA                            |

Name and Signature of the Head of PIU, Date

*[Signature]*  
28/12/18  
for E. K.  
P. D. Arora

Format 1- Part II

Report of State Quality Monitor (SQM) (PIU: KISHANGANG-1)  
PART II- Observations of SQM for Ongoing/Completed Work

(To be filled-up by SQM, use additional sheets, if required.)

Stage of Work: ☒ I ☒ II ☐ III

1. SETTING OUT AND WORKING DRAWING: For all stages of work

| # | Whether Bench marks @ 4 per km established (Y/N) | Exact Locations of the Bench Marks | Whether Center Line of Carriage Way accurately established and referenced with Marker Pegs and Chainage Boards (Y/N) | Whether properly prepared Working Drawing for the work under progress is available (Y/N) |
|---|--------------------------------------------------|------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
|   | Y                                                | 0-2 CH-500                         | -                                                                                                                    | Y                                                                                        |

Grading: Grade: ☒ S ☒ SRI ☐ U If this item is graded SRI/U, write clear reasons and suggestions for improvement:

— S —

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2. SITE CLEARANCE AND GRUBBING: For Stage I of Work

| # | Whether Clearing and Grubbing being done as per DPR and Material obtained is being disposed off properly (Y/N) | Whether the material available from scarifying existing work or clearing operations can be salvaged and reused (Y/N) | Name the reusable material obtainable from clearance or scarification and indicate approximate quantity and its re-use by the PIU. |
|---|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
|   | —                                                                                                              | —                                                                                                                    | —                                                                                                                                  |

Grading: Grade: ☒ S ☒ SRI ☐ U If this item is graded SRI/U, write clear reasons and suggestions for improvement:

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3. **QUALITY ARRANGEMENTS AND ATTENTION TO QUALITY - For all stages of work**

Observations about Field Laboratory:

| # | Whether Field laboratory Established (Y/N) | List the equipments available. | Whether adequate Equipments as per requirement of work are available and are being used. (Y/N) |
|---|--------------------------------------------|--------------------------------|------------------------------------------------------------------------------------------------|
|   | Y                                          | -                              | Y                                                                                              |

Observations about Mandatory Tests - Detail out the quantities of various items of works and list the tests required. (Refer to abstract of QC Register Part-I)

| # | Item of Work Executed | Quantity | Name of Test    | No. of Tests required | No. of Tests Conducted by PIU/Contractor |
|---|-----------------------|----------|-----------------|-----------------------|------------------------------------------|
|   | E/W.                  |          | Soil Compaction |                       | 06                                       |
|   |                       |          | Atterberg       |                       | 06                                       |
|   |                       |          | Proctor         |                       | 06                                       |
|   |                       |          | F.D.            |                       | 200                                      |
|   | G.S.B                 |          | Grading         |                       | 16                                       |
|   |                       |          | Proctor         |                       | 16                                       |
|   |                       |          | F.D.            |                       | 200                                      |
|   | W.B.M - III           |          | Atter           |                       | 20                                       |
|   |                       |          | Grading         |                       | 20                                       |
|   |                       |          | Flakiness       |                       | 20                                       |

| # | Based on executed quantities whether all mandatory tests conducted.                                 | Whether QC Register Part I maintained as per provisions.                                            | Whether QC Register Part II maintained and test results monitored as per provisions.                |
|---|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
|   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Partly <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Partly <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Partly <input type="checkbox"/> No |

Grading: Grade: ☐ S ☒ SRI ☐ U If this item is graded SRI/U, write clear reasons and suggestions for improvement:

- S -

4. GEOMETRICS: The SQM should take at least two measurements in 1 Km length and if it is found that the roadway and carriage way is inadequate SQM may take more observations;

Observations - Road way width, Carriage way and Camber.

| Ref. RD | Roadway Width (m) | Carriage way Width (m) | Camber in % | Ref. RD | Roadway Width (m) | Carriage way Width (m) | Camber in % |
|---------|-------------------|------------------------|-------------|---------|-------------------|------------------------|-------------|
|         |                   |                        |             |         |                   |                        |             |
| 50M     | 6M                | 3.75                   |             |         |                   |                        |             |
| 150M    | -                 | -                      | 3.25% Gb.   |         |                   |                        |             |

Observations - Super-elevation and Extra Widening at curves.

| Ref. RD | Super Elevation | Extra Widening provided (Y/N) | Ref. RD | Super Elevation | Extra Widening provided (Y/N) |
|---------|-----------------|-------------------------------|---------|-----------------|-------------------------------|
|         |                 |                               |         |                 |                               |
|         |                 |                               |         |                 |                               |
|         |                 |                               |         |                 |                               |

Grade: ☒ S ☒ U  
improvement:

If this item is graded U, write clear reasons and suggestions for

- S -

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#### OBSERVATIONS REGARDING THE QUALITY OF ITEMS OF WORK:

##### 5. Earthwork:

Observations - Quality of Material for Embankment/ Sub-grade:

| # | Location (RD) | On Visual Classification identify the Group Symbol and write | Quality of material is acceptable. (Y/N) |
|---|---------------|--------------------------------------------------------------|------------------------------------------|
|   |               |                                                              |                                          |
| 2 | 260M          | Sandy cl.                                                    | Y.                                       |
|   |               |                                                              |                                          |
|   |               |                                                              |                                          |

Grade: ☒ S ☐ U <sup>o</sup> If this item is graded U, write clear reasons and suggestions for improvement:

/ S /

Observation - Workmanship for Embankment and Sub-grade Construction:

| # | Location (RD) | MDM kN/m <sup>3</sup><br>(As per record) | Field Moisture Content | Degree of Compaction            |                               |                            |
|---|---------------|------------------------------------------|------------------------|---------------------------------|-------------------------------|----------------------------|
|   |               |                                          |                        | Field Density kN/m <sup>3</sup> | Dry Density kN/m <sup>3</sup> | Compaction adequate. (Y/N) |
|   |               |                                          |                        |                                 |                               |                            |
|   |               |                                          |                        |                                 |                               |                            |
|   |               |                                          |                        |                                 |                               |                            |
|   |               |                                          |                        |                                 |                               |                            |
|   |               |                                          |                        |                                 |                               |                            |
|   |               |                                          |                        |                                 |                               |                            |

Not checked

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Grade: ☒ S ☐ U If this item is graded U, write clear reasons and suggestions for improvement:

/

Observation - Side slopes and profile:

| # | Location (RD) | Whether Side Slopes Satisfactory (Y/N) | Whether profile is Satisfactory (Y/N) |
|---|---------------|----------------------------------------|---------------------------------------|
|   |               |                                        |                                       |
|   |               |                                        |                                       |
|   |               |                                        |                                       |
|   |               |                                        |                                       |
|   |               |                                        |                                       |
|   |               |                                        |                                       |

Observations - Earth work in hilly/rolling terrain or high Embankments:

| # | Location (RD) | Cut Slopes & Profile, whether appears to be stable. (Y/N) | Adequate slope protection works executed. (Y/N) | Formation is properly dressed and traffic worthy. (Y/N) |
|---|---------------|-----------------------------------------------------------|-------------------------------------------------|---------------------------------------------------------|
|   |               |                                                           |                                                 |                                                         |
|   |               |                                                           |                                                 |                                                         |
|   |               |                                                           |                                                 |                                                         |
|   |               |                                                           |                                                 |                                                         |
|   |               |                                                           |                                                 |                                                         |

Observations - Longitudinal Gradient in case of road in hilly/rolling terrain:

| Ref. Between RD...& RD... | Longitudinal Gradient | S/U | Ref. Between RD...& RD... | Longitudinal Gradient | S/U |
|---------------------------|-----------------------|-----|---------------------------|-----------------------|-----|
|                           |                       |     |                           |                       |     |
|                           |                       |     |                           |                       |     |
|                           |                       |     |                           |                       |     |

Grade: ☒ S ☒ U If this item is graded U, write clear reasons and suggestions for improvement:

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#### 6. Sub-Base:

Observations - Quality of Material and Workmanship:

| # | Location (RD) | Conforms to Grading. (Y/N) | Suitable from plasticity angle. (Y/N) | Whether compaction is adequate. (Y/N) | Observed Thickness of Layer (in mm) | Prescribed Thickness provided (Y/N) |
|---|---------------|----------------------------|---------------------------------------|---------------------------------------|-------------------------------------|-------------------------------------|
|   | 50m           | Y                          |                                       | Y                                     |                                     | Y                                   |
|   | 150           | Y                          |                                       | Y                                     |                                     | Y                                   |
|   | 260m          | Y                          |                                       | Y                                     | 75mm G-III                          | Y                                   |
|   | 250m          | Y                          |                                       | Y                                     | 200mm GSB.                          | Y                                   |
|   | 1150          | Y                          |                                       | Y                                     |                                     | Y                                   |
|   | 1750          | Y                          |                                       | Y                                     |                                     |                                     |

Grade: ☐ S ☒ U If this item is graded U, write clear reasons and suggestions for improvement:

— S —

7. Base Course:

Observations- Quality of Material and Workmanship of WBM:

| # | Location (RD) | Thickness of each layer of WBM (mm) | Thickness is adequate. (Y/N) | Aggregate confirms to Grading (Y/N) | Filler material is non-plastic to desired extent. (Y/N) | Volume of filler material percent of coarse aggregate | Whether adequate compaction is done. (Y/N) |
|---|---------------|-------------------------------------|------------------------------|-------------------------------------|---------------------------------------------------------|-------------------------------------------------------|--------------------------------------------|
|   |               |                                     |                              |                                     |                                                         |                                                       |                                            |
|   | 260           | 75mm                                | Y                            | Y                                   | Y                                                       | 264                                                   | Y                                          |
|   |               |                                     |                              |                                     |                                                         |                                                       |                                            |
|   |               |                                     |                              |                                     |                                                         |                                                       |                                            |

Observations - Surface evenness: Surface evenness in about 200 m critical representative length of completed WBM:

evenness satisfactory

Grade: ☐ S ☒ U If this item is graded U, write clear reasons and suggestions for improvement:

— S —

8. Bituminous Course: Premix Carpet/Surface Dressing/ BM/ MPM etc including Seal Coat: Observations - Quality of Material and Workmanship of BT Layer (in case of ongoing work):

No. B.T. Work done

Observations about level of cleanliness of WBM surface prior to application of bituminous layer, (if work is ongoing observe the surface. If BT layer laid, assess by carefully removing the BT layer.):

Observations about Quality of Prime Coat and Tack Coat with respect to quality of material and workmanship - Visual Observation - if work is ongoing:

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In case of PMC/BM/MPM/ Seal Coat

| # | Location (RD) | Whether Coarse Aggregate conforms to grading. (Y/N) | Whether the binder is of approved grade. (Y/N) | Write Mixing Temperature and whether it is in permissible limits. (Y/N) | Write Laying Temperature and whether it is in permissible limits. (Y/N) |
|---|---------------|-----------------------------------------------------|------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------|
|   |               |                                                     |                                                |                                                                         |                                                                         |
|   |               |                                                     |                                                |                                                                         |                                                                         |
|   |               |                                                     |                                                |                                                                         |                                                                         |
|   |               |                                                     |                                                |                                                                         |                                                                         |
|   |               |                                                     |                                                |                                                                         |                                                                         |
|   |               |                                                     |                                                |                                                                         |                                                                         |
|   |               |                                                     |                                                |                                                                         |                                                                         |

Grade: ☐ S ☐ U If this item is graded U, write clear reasons and suggestions for improvement:

B.T. Not done

Observations - Workmanship of BT layer PMC/BM/MPM (in case of completed works):

| # | Location (RD) | Thickness       |                                      | Whether surface evenness is within acceptable limits. (Y/N) |
|---|---------------|-----------------|--------------------------------------|-------------------------------------------------------------|
|   |               | Thickness in mm | Whether thickness is adequate. (Y/N) |                                                             |
|   |               |                 |                                      |                                                             |
|   |               |                 |                                      |                                                             |
|   |               |                 |                                      |                                                             |
|   |               |                 |                                      |                                                             |

Grade: ☐ S ☐ U If this item is graded U, write clear reasons and suggestions for improvement:

B.T. not done

9. Observations - Quality of Shoulders:

| # | RD of observation | Thickness of layer in mm | Whether quality of the material is acceptable. (Y/N) | Whether quality of compaction workmanship is acceptable. (Y/N) | Whether Shoulders being constructed simultaneously with sub-base and base course (Y/N) |
|---|-------------------|--------------------------|------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------------|
|   |                   |                          |                                                      |                                                                |                                                                                        |
|   | 115               | —                        | Y                                                    | Y                                                              | Y                                                                                      |
|   | 175               | —                        | Y                                                    | Y                                                              | Y                                                                                      |
|   |                   |                          |                                                      |                                                                |                                                                                        |

10. Cross Drainage Works: Observations - Quality of CDs:

| # | RD at which CD is located | Type of CD | Whether quality of the material is acceptable. (Y/N) | Whether quality of workmanship is acceptable. (Y/N) |
|---|---------------------------|------------|------------------------------------------------------|-----------------------------------------------------|
|   |                           |            |                                                      |                                                     |
|   | 14000                     | 2x1000     | Y                                                    | Y                                                   |
|   |                           | bu         |                                                      |                                                     |
|   |                           |            |                                                      |                                                     |

Grade: ☐ S ☒ SRI ☐ U If this item is graded SRI/U, write clear reasons and suggestions for improvement:

— S —

11. Side Drains and Catch water Drains: Observations:

| # | Reference of RDs where side drain constructed. | RD at which observation made. | Whether general quality of the side drains/ catch-water drains is acceptable. (Y/N) | Whether side drains are integrated to cross drains. (Y/N) |
|---|------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------|
|   |                                                |                               |                                                                                     |                                                           |
|   |                                                |                               |                                                                                     |                                                           |
|   |                                                |                               |                                                                                     |                                                           |
|   |                                                |                               |                                                                                     |                                                           |
|   |                                                |                               |                                                                                     |                                                           |

Grade: ☒ S ☒ SRI ☐ U If this item is graded SRI/U, write clear reasons and suggestions for improvement:

—

12. CC/Semi-Rigid (SR) Pavements and Associated Pucca Side Drains:

| # | Reference of RDs, CC/SR Pavements provided. | RD at which observation made. | Thickness       |                  | General quality of material acceptable. (Y/N) | General quality of workmanship acceptable (Y/N) |
|---|---------------------------------------------|-------------------------------|-----------------|------------------|-----------------------------------------------|-------------------------------------------------|
|   |                                             |                               | Thickness in mm | Acceptable (Y/N) |                                               |                                                 |
|   | C.C                                         | 320                           | 120mm           | Y.               | Y                                             | Y                                               |
|   | Pavement.                                   |                               |                 |                  |                                               |                                                 |
|   | 300 to 550 m.                               |                               |                 |                  |                                               |                                                 |
|   |                                             |                               |                 |                  |                                               |                                                 |

Comments about adequacy of face/main walls, wings and retaining walls:

Satisfactory

— A —

Grade: ☐ S ☐ U

If this item is graded U, write clear reasons and suggestions for improvement:

- S -



14.2. Whether the work has been completed/is in progress as per work programme or the delay has occurred. If delay has occurred, whether the liquidated damages have been withheld or recovered:

Work is in progress but not as per work programme

14.3. Whether the work has been completed within the sanctioned cost, if not, what is the action taken by the PIU (in case of complete works):

Work is in progress

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14.4. Observations about the action taken by the PIU on the observations of inspecting officers including SQMs and NQMs. (Clearly offer comments about the action taken on the observations of Departmental Officers, State Quality Monitors and National Quality Monitors).

NQM & SQM visited Already.

14.5. Comments about difference in observations made by NQMs/SQMs in earlier inspections (the NQM shall study the earlier inspection reports of NQMs / SQMs, if any and offer his clear comments about the differences in observations, if any).

NA -

15. Other observations, if any:

Max - length of Rasool. existed along  
the bank of ~~canal~~ canal. At some  
place Rain cut observed in flank  
It ~~can~~ should be dressed and remaining  
work should be carried out within one  
month -

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16. Quality Grading of items and sub-items of work: The grading of every sub-item and item of work is given below.

| #                                                                | Sub Item for Observation                              | Stage of Work                                         | Awardable Grades | Awarded Grades |
|------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|------------------|----------------|
| 1                                                                | 2                                                     | 3                                                     | 4                | 5              |
| <b>Item 1 - Setting Out and Working Drawing</b>                  |                                                       |                                                       |                  |                |
| a                                                                | Bench Mark and Centre Line                            | All Stages                                            | S/SRI/U          | S              |
| b                                                                | Availability of Working Drawing                       | All Stages                                            | S/SRI/U          | S              |
| Item Grade                                                       |                                                       |                                                       | S/SRI/U          | S              |
| <b>Item 2 - Site Clearance and Grubbing</b>                      |                                                       |                                                       |                  |                |
| a                                                                | Site Clearance and Grubbing                           | Stage-I                                               | S/SRI/U          | —              |
| b                                                                | Re-use of Salvageable Material                        | Stage-I                                               | S/SRI/U          | —              |
| Item Grade                                                       |                                                       |                                                       | S/SRI/U          | NA             |
| <b>Item 3 - Quality Arrangements</b>                             |                                                       |                                                       |                  |                |
| a                                                                | Quality Arrangements                                  | All Stages                                            | S/SRI/U          | S              |
| b                                                                | Number of Mandatory Tests as per prescribed frequency | All Stages                                            | S/SRI/U          | S              |
| c                                                                | Maintenance of QC Registers                           | All Stages                                            | S/SRI/U          | S              |
| Item Grade                                                       |                                                       |                                                       | S/SRI/U          | S              |
| <b>Item 4 - Geometrics</b>                                       |                                                       |                                                       |                  |                |
| a                                                                | Road way width                                        | 2 per Km in every inspection                          | S/U              | S              |
| b                                                                | Carriageway width                                     | 2 per Km in every inspection                          | S/U              | S              |
| c                                                                | Camber                                                | 2 per km                                              | S/U              | S              |
| d                                                                | Super-elevation & Extra Widening at Curves            | 1 curve in each km                                    | S/U              |                |
| Item Grade                                                       |                                                       |                                                       | S/U              | S              |
| <b>Item 5A - Earth Work and Sub-grade in Embankment/ Cutting</b> |                                                       |                                                       |                  |                |
| a                                                                | Quality of Material for Embankment/ Sub-grade         | In Stage-I, 1 per km/<br>In Stage-II or III, 1 per km | S/U              | —              |
| b                                                                | Compaction                                            | In Stage-I, 2 per km/<br>In Stage-II or III, 2 per km | S/U              | —              |
| c                                                                | Side Slopes and Profile                               | 2 per km in Stage III                                 | S/U              | —              |

Profile correct.

| Item 5B - Earth Work in Cutting in Hilly/ Rolling Terrain |                                                                                       |                                                                                   |     |     |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----|-----|
| a                                                         | Stability and Workmanship of Cut Slopes                                               | Stage I and II, at 2 critical locations with maximum height of cutting in each km | S/U |     |
| b                                                         | Adequacy of Slope Protection                                                          | All Stages - In general                                                           | S/U |     |
| c                                                         | Upon completion of formation cutting, dressing, traffic worthiness                    | At Stage III, at 2 critical locations with maximum height of cutting in each km   | S/U | N/A |
| d                                                         | Longitudinal Gradient                                                                 | Stage II/III - 1 critical and fairly representative stretch of 200m in each Km    | S/U |     |
| Item Grade                                                |                                                                                       |                                                                                   | S/U |     |
| Item 6 - Sub-Base                                         |                                                                                       |                                                                                   |     |     |
| Quality of Material                                       |                                                                                       |                                                                                   |     |     |
| a                                                         | Grain Size                                                                            | In Stage- II or III, 1 per km                                                     | S/U | S   |
| b                                                         | Plasticity                                                                            |                                                                                   | S/U | S   |
| c                                                         | Compaction                                                                            | In Stage- II or III, 1 per km                                                     | S/U | S   |
| d                                                         | Total Thickness of Layer                                                              | 2 per Km                                                                          | S/U | S   |
| Item Grade                                                |                                                                                       |                                                                                   | S/U | S   |
| Item 7 - Base Course - Water Bound Macadam                |                                                                                       |                                                                                   |     |     |
| a                                                         | Grain Size of Coarse Aggregate                                                        | In Stage- II or III, 1 per km                                                     | S/U | S   |
| b                                                         | Test for Liquid Limit and Plasticity Index in case fine aggregates are crushable type |                                                                                   | S/U | -   |
| c                                                         | Volumetric Analysis for assessment of compaction of WBM                               | In Stage- II or III, 1 per km                                                     | S/U | S   |
| d                                                         | Surface Evenness using straight edge                                                  | In completed WBM 2 tests per km                                                   | S/U | S   |
| e                                                         | Thickness of every layer of WBM                                                       | 2 per Km                                                                          | S/U | S   |
| Item Grade                                                |                                                                                       |                                                                                   | S/U | S   |

| Item 8 - Bituminous Layer - Premix Carpet (PMC)/ Surface Dressing (SD)               |                                                                                                                               |                                        |         |               |
|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------|---------------|
| a                                                                                    | Level of cleanliness of WBM surface prior to application of bituminous layer                                                  | 1 per Km                               | S/U     |               |
| b                                                                                    | Quality of Prime Coat/ Tack Coat with respect to quality of material and workmanship                                          | 1 observation on the day of inspection | S/U     |               |
| c                                                                                    | Gradation Test for Coarse Aggregate (if the work in the item is ongoing)/visual observation in case of completed item of work | 1 test on the day of inspection        | S/U     | N/A.          |
| d                                                                                    | Grade of bitumen and temperature at the time of mixing and laying (if the work in the item is ongoing)                        | 1 test on the day of inspection        | S/U     | B.T. Not done |
| e                                                                                    | Bitumen Extraction Test if PMC is complete                                                                                    | 1 test per Km                          | S/U     |               |
| f                                                                                    | Thickness of layer                                                                                                            | 2 per Km                               | S/U     |               |
| g                                                                                    | Surface Evenness in case of completed BT work                                                                                 | 2 per Km                               | S/U     |               |
| Item Grade                                                                           |                                                                                                                               |                                        | S/U     |               |
| Item 9 - Shoulders                                                                   |                                                                                                                               |                                        |         |               |
| a                                                                                    | Quality of material for shoulders                                                                                             | In Stage- II or III, 1 test per Km     | S/SRI/U | S             |
| b                                                                                    | Degree of compaction                                                                                                          | In Stage- II or III, 1 test per Km     | S/SRI/U | S             |
| c                                                                                    | Thickness of layer                                                                                                            | In Stage- II or III, 2 tests per km    | S/SRI/U | S             |
| Item Grade                                                                           |                                                                                                                               |                                        | S/SRI/U | S             |
| Item 10 - Cross Drainage Works - Causeways of all spans and Culverts upto 6 m. span. |                                                                                                                               |                                        |         |               |
| a                                                                                    | Quality of Material - Concrete, Stone/ brick masonry, Hume pipes including size etc.                                          | All Stages                             | S/SRI/U | S             |
| b                                                                                    | Quality of Workmanship such as positioning of pipes, wing walls, cushion over H Pipes etc.                                    | All Stages                             | S/SRI/U | S             |
| Item Grade                                                                           |                                                                                                                               |                                        | S/SRI/U | S             |

| Item 11 - Side Drain and Catch Water Drain                     |                                                                                                       |                                                      |        |   |
|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------|--------|---|
| a                                                              | General quality of Side Drains/ Catch Water Drains and their integration with CDs.                    | All Stages                                           | S/SR/U | — |
| Item Grade                                                     |                                                                                                       |                                                      | S/SR/U | — |
| Item 12 - CC/ Semi Rigid Pavements and Associated Pukka Drains |                                                                                                       |                                                      |        |   |
| a                                                              | Quality of Material - Concrete, Stone/ Concrete Block Pavement etc.                                   | In Stage- II or III, 1 per 100 m. Length of Pavement | S/U    | S |
| b                                                              | Strength of CC in Concrete Pavement/ Concrete Block Pavement                                          | In Stage- II or III, 1 per 100 m. Length of Pavement | S/U    | S |
| c                                                              | Quality of Workmanship - Wearing surface texture, Adequacy of setting of concrete, Joints, Edges etc. | In Stage- II or III                                  | S/U    | S |
| d                                                              | Thickness of Layer                                                                                    | In Stage- II or III, 1 per 100 m. Length of Pavement | S/U    | S |
| Item Grade                                                     |                                                                                                       |                                                      | S/U    | S |
| Item 13 - Road Furniture and Markings                          |                                                                                                       |                                                      |        |   |
| a                                                              | Citizen Information Board, Main Informatory Board, Quality and whether fixed during construction.     | Stage-I                                              | S/U    | S |
| b                                                              | Logo boards, 200 m stones and Km stones, quality and whether fixed after completion.                  | Stage-III                                            | S/U    | — |
| c                                                              | Whether the information in boards is given in local language.                                         | Stage-I and III                                      | S/U    | S |
| Item Grade                                                     |                                                                                                       |                                                      | S/U    | S |

17. Overall Grading of Work: The overall grading calculated on the basis of item and sub-item wise grading is given below:

| Item No.        | Sub Item for Observation                                                   | Awarded Grade |
|-----------------|----------------------------------------------------------------------------|---------------|
| Item No 1       | Setting Out and Working Drawing                                            | S             |
| Item No 2       | Site Clearance and Grubbing                                                | —             |
| Item No 3       | Quality Arrangements                                                       | S             |
| Item No 4       | Geometrics                                                                 | S             |
| Item No 5 A     | Earth Work and Sub-grade in Embankment/ Cutting                            | —             |
| Item No 5 B     | Earth Work in Cutting in Hilly/ Rolling Terrain                            | —             |
| Item No 6       | Sub-Base                                                                   | S             |
| Item No 7       | Base Course – Water Bound Macadam G3                                       | S             |
| Item No 8       | Bituminous Layer – Premix Carpet (PMC)/ Surface Dressing (SD)              | —             |
| Item No 9       | Shoulders                                                                  | S             |
| Item No 10      | Cross Drainage Works – Causeways of all spans and Culverts upto 6 m. span. | S             |
| Item No 11      | Side Drain and Catch Water Drain                                           | —             |
| Item No 12      | CC/ Semi Rigid Pavements and Associated Pukka Drains                       | S             |
| Item No 13      | Road Furniture and Markings                                                | S             |
| Overall Grading |                                                                            | S             |

Signature: *Chayan*

Name:

Date: .....

23/12/18  
ANAL PRAKASH.

E.E. R.W.D-1

KISHAN GANJ

L025-T02 TO TERA KHARDA (VR25) LENGTH-2.07 KM, DATE.....28.12.18



Logo Board & Citizen Board at CH.0+00



R/14 at CH = 50 M.

28/12/18  
AE

28/12/18

L025-T02 TO TERA KHARDA (VR25) LENGTH-2.07 KM, DATE... 28.12.18



C/W A+CH - 50M.



CAMBER A+CH - 150M.

*28/12/18*

*Chatur*  
28/12/18

L025-T02 TO TERA KHARDA (VR25) LENGTH-2.07 KM, DATE... 28.12.18



THICKNESS OF WBM III + GSB. AT CH-260



C/KI and GEN. VIEW OF C.C. PAVEMENT AT CH 325M

28/12/18  
AK

28/12/18

L025-T02 TO TERA KHARDA (VR25) LENGTH-2.07 KM, DATE...28.12.18.....



THICKNESS OF C.C. PAVEMENT A+CH = 320M.



T.B.M. A+CH = 750M.

@haseem  
28/12/18

28/12/18  
AK



GEN. VIEW OF FLANK AT CH - 1150M.



2x1000mm HPC AT CH = 1400M.

28/12/18  
AP

Chatur  
28/12/18

L025-T02 TO TERA KHARDA (VR25) LENGTH-2.07 KM, DATE.....



GEN. VIEW OF ROAD AT CH : 1750M.

*AE*  
28/12/16  
*AE*