

**Annexure 1**  
**Format 1- Part I**

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

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:
- 1.5. Package No.:
- 1.6. Length  Km Flexible Pavement,  Km. CC/other Pavement  m. = Total  Km
- 1.7. Estimated Cost (As cleared by GOI):  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	80 %	Due			
		Actual			
CD Works	-	Due			
		Actual			
Sub base i/c Shoulders	100	Due			
		Actual			
Base Course (Non Bitu.)	100	Due			
		Actual			
Base /Wearing Course(Bitu.)	-	Due			
		Actual			
CC Pavement	100	Due			
		Actual			
Signage etc	30	Due			
		Actual			



3. **QUALITY CONTROL:**

- 3.1. Location of Field Laboratory: At Site
- 3.2. Quality Control Register Part-I is maintained by: Comm.
- 3.3. Quality Control Register Part-II is maintained by: PIU

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

Inspection by NQMs, 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
	<u>SRM</u>	<u>- S -</u>	

Gay 29/11  
Name and Signature of the Head of PIU, Date:.....

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
<b>Item Grade</b>			S/SRI/U	S
<b>Item 2 – Site Clearance and Grubbing</b>				
a	Site Clearance and Grubbing	Stage-I	S/SRI/U	S
b	Re-use of Salvageable Material	Stage-I	S/SRI/U	S
<b>Item Grade</b>			S/SRI/U	S
<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
<b>Item Grade</b>			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	S
<b>Item Grade</b>			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/ In Stage- II or III, 1 per km	S/U	N/A
b	Compaction	In Stage-I, 2 per km/ In Stage- II or III, 2 per km	S/U	N/A



### 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	H/A
b	Adequacy of Slope Protection	All Stages - In general	S/U	H/A
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	H/A
d	Longitudinal Gradient	Stage II/III - 1 critical and fairly representative stretch of 200m in each Km	S/U	H/A
Item Grade			S/U	✓H/A

### 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 Course 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	S
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	N/A
b	Quality of Prime Coat/ Tack Coat with respect to quality of material and workmanship	1 observation on the day of inspection	S/U	N/A
c	Gradation Test for Course 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	N/A
e	Bitumen Extraction Test if PMC is complete	1 test per Km	S/U	N/A
f	Thickness of layer	2 per Km	S/U	N/A
g	Surface Evenness in case of completed BT work	2 per Km	S/U	N/A
Item Grade			S/U	N/A
Item 9 – Shoulders				
a	Quality of material for shoulders	In Stage- II or III, 1 test per Km	S/SRI/U	N/A
b	Degree of compaction	In Stage- II or III, 1 test per Km	S/SRI/U	N/A
c	Thickness of layer	In Stage- II or III, 2 tests per km	S/SRI/U	N/A
Item Grade			S/SRI/U	N/A
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	All Stages	S/SRI/U	N/A



### 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/SRI/U	N/A
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### Item Grade

S/SRI/U

S

### 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	N/A
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	S
Item No 3	Quality Arrangements	S
Item No 4	Geometrics	S
Item No 5 A	Earth Work and Sub-grade in Embankment/ Cutting	N/A
Item No 5 B	Earth Work in Cutting in Hilly/ Rolling Terrain	N/A
Item No 6	Sub-Base	S
Item No 7	Base Course – Water Bound Macadam	S
Item No 8	Bituminous Layer – Premix Carpet (PMC)/ Surface Dressing (SD)	N/A
Item No 9	Shoulders	N/A
Item No 10	Cross Drainage Works – Causeways of all spans and Culverts upto 6 m. span.	N/A
Item No 11	Side Drain and Catch Water Drain	N/A
Item No 12	CC/ Semi Rigid Pavements and Associated Pukka Drains	S
Item No 13	Road Furniture and Markings	S
<b>Overall Grading</b>		<b>S</b>

Signature:

Name:

Date: .....

*[Handwritten Signature]*  
29/11/20