# 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: DD MM YY
1.2. Name of State Quality Monitor: Er Suguil 10
1.3. District: Wisher Block: Parter Day
1.4. Name of Road: From Lo 49 Bleavoer to Ulter to Pansali
1.5. Package No.: 02352 146
1.6. Length:Km Flexible Pavement,Km. CC/other Pavementm. =
10181
1.7. Estimated Cost (As cleared by GOI): Rs. 1, 23, 89,462 Lakh
1.8. Technical Sanction Cost: Rs. 112-3 (8°), 4-6Dakh
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: 12 63 (9)
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	Dates for	Start	Completion	Delay in
fine.	percentage of Item	completion	Date '	Date	Months -
Earth Work	100 +1	Due .			
		Actual			
CD Works		Duè			
		Actual	1		
Sub base i/c	1001	Due			-
Shoulders		Actual			
Base Course (Non	100 11	Due			
Bitu.)		Actual			
Base /Wearing	110-11	Due			· ·
Course(Bitu.)	( 0 )	Actual			
CC Pavement	·	Due		· :	
		Actual			
Signage etc	,	Due			-
		Actual			1

### 3. QUALITY CONTROL:

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

# 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	e of Inspecte	d Observations	Action Taken by PIU with Date
27	112 5 00 1C x	44	
	P-		

Name and Signature of the Head of PIU, Date:....

### Format 1- Part II

## Report of State Quality Monitor (SQM) 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

# TTING OUT AND WORKING DRAWING: For all stages of work

	#	Whether Bench marks @ 4 per km established (Y/N)	the Bench Marks	D	prepared Working	1
L				$\mathcal{I}$	7	

Grading: Grade: S SRI U If this item is graded SRI/U, write clear reasons and

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

#	as per DPR and Material obtained is	scarifying existing work	Name the reusable material obtainable from clearance or scarification and indicate approximate quantity and its re-use by the PIU.
	1	7	

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

QUALITY ARRANGEMENTS AND ATTENTION TO QUALITY - For

stages of work

Observations about Field Laboratory:

Observations about Field	- winments WI	nether adequate Equipments as requirement of work are
# Whether Field laboratory Established (Y/N)	List the equipment per available.	requirement of work are allable and are being used.
	Pl V	the quantities of various items of

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

#	Item of Executed	Work	Quantity	Name of Test	No. of Tests required	No. of Tests Conducted by PIU/Contracto
<u>-</u> -				- A	1	
				T. C	5	
		·	20.			
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# Based on Lather all	Whether QC Register Part I maintained as per provisions.  Yes Partly No	Whether QC Register Part II maintained and test results monitored as per provisions.  Yes Partly No
	II If this item is graded SR	I/U, write clear reasons and

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

4. GEOMETRICS: The SQM should take at-least two measurements in 1 Km length and if it is found that the roadway and carriageway 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 %
	115	6.1	3.75~					
-		m					- '	
L	· .		1					

Observations - Super-elevation and Extra Widening at curves.

D-f	0			ag at cui ves.	
Ref. RD	Super Elevation	Extra Widening provided (Y/N)	Ref. RD	Super Elevation	Extra Widening provided (Y/N)
1230	6.5.1				-
		<del>- 7</del>			
		.`:			

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

### 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)
	,		(1/14)
	pert	dure due	
		to unwill	ich .
		50	mec
41.0	1 1		

Grade:	S U for improveme	nt:	i is graded U,	write clear re	asons and
suggestions	or improveme.	111.		4	-4
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1.58					1 (4)
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Observation -	Workmanshir	for Emba	nkment and S	nh 1	
		, 101 Empa	akment and S	ub-grade Cor	struction
#   Location	MDD kN/m <sup>3</sup>	Field			Totalon;
(RD)	(As per	Moisture	Di	egree of Comp	paction
	record)		VALUAL	Dry Densii	v C
	record)	Content	kN/m <sup>3</sup>	kN/m³	Compaction adequate
					ATRUPO
+					(YM)
	• *		· · ·		
	·	100	M. A		
+				-	
	3.1-15	4			
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				-	
Grade: S U	If this item	n is and the			
Grade: S U	If this iten	n is graded	U, write clear re	asone on L	
	If this iten	n is graded	U, write clear re	asons and sugg	estions for
	I If this iten	n is graded	U, write clear re	asons and sugg	restions for
	I If this item	n is graded	U, write clear re	asons and sugg	estions for
	I If this item	n is graded	U, write clear re	asons and sugg	restions for
	I If this item	n is graded	U, write clear re	asons and sugg	restions for
	I If this item	n is graded	U, write clear re	asons and sugg	estions for
nprovement:		5	U, write clear re	asons and sugg	restions for
nprovement:		5	U, write clear re	asons and sugg	estions for
nprovement:	slopes and pr	rofile:		asons and sugg	restions for
nprovement:	slopes and pr	rofile:	es .		
nprovement:	slopes and pr	5	es	Phot	
rvation - Side Location (R	slopes and process	rofile:	es	Phot	
nprovement:	slopes and process	rofile:	es	Phot	
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rvation - Side Location (R	slopes and processing the state of the state	rofile:	es	Phot	



# Observations - Earth work in Hilly/Rolling terrain or high Embankments:

#	Location (RD)	Cut Slopes & Profile, whether appears to be stable. (Y/N)	A	Formation is properly dressed and traffic worthy. (Y/N)
-				
-				

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

D.CD.	-			berrain.	
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 re	easons and sug	gestions for
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#### 6. Sub-Base:

### Observations - Quality of Material and Workmanship:

#	Location (RD)	Confirms 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)
	1310	7	7		810.	8 7
						(

					•		
	Grade: for impro	vement:	If this	item is grad	ed U, write c	lear reasons a	nd suggestions
			* •				
					W.A.		
7	. Base Co	urse:					
C	bservation	ıs- Quality	of Materi	al and Wor	kmanship of	WBM:	
#	Location (RD)	Thickness of each		Aggregate confirms to Grading	Filler	Volume of filler material	Whether adequate

(RD)	of each layer of WBM (mm)		confirms to Grading (Y/N)	Filler material is non-plastic to desired extent. (Y/N)	Volume of filler material percent of course aggregate	Whether adequate compaction is done.
1310	75	7				

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

Grade: S U improvement:	If this item is graded U, write clear reasons and suggestions for
improvement.	seasons and suggestions for
*	
	<u> </u>
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	7

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 works):

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.):

+ 1'50,10

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

8,115

In case of PMC/RM/MPM/ Seal Coat

#	Location (RD)	Whether Course Aggregate confirms 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)
		1.		- 1	mms. (17N)
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	1310	17	7	1. 4	7
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Obs	servations -	Workmans	hip of BT lave	. РМСЛ	RM/MD	M (in case of comple
WOR	ks):	_		- 1120/1	MINITE	(in case of comple
#	Location		Thickness	-	1171.	· pie
	(RD)	Thickness	in Whether th	ialman	whe	ther surface evenness
		mm		CKness	Within	acceptable limits. (Y
	• ,	*******	is adequate	. (Y/N)		. (Y
	-					-
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	de: S U	If this	item is graded U	J, write c	lear reac	
	de: <u>S</u> U	If this	item is graded U	J, write c	lear reas	ons and suggestions f
		If this	item is graded U	J, write c	lear reas	ons and suggestions f
		If this	item is graded U	J, write c	lear reas	ons and suggestions f
		If this	item is graded U	J, write c	lear reas	ons and suggestions f
		If this	item is graded U	J, write c	lear reas	ons and suggestions f
		If this	item is graded U	J, write c	lear reas	ons and suggestions f
impr	rovement:				lear reas	ons and suggestions f
impr	rovement:				lear reas	ons and suggestions f
9. O	ovement:	s - Quality o	item is graded U		lear reas	ons and suggestions f
9. O	Observation	s - Quality o	f Shoulders:	/		
9. O	ovement:	s - Quality o	f Shoulders:	Whethe	T Qualit	
9. O	Observation	s - Quality o	Whether quality of the material is	Whethe	r qualit	Whether Shoulder
9. O	Observation RD of observation	s - Quality of Thickness of layer in	Mhether quality of the material is acceptable.	Whethe of co	r qualit	Whether Shoulders
9. O	Observation RD of observation	s - Quality of Thickness of layer in	f Shoulders: Whether quality of the	Whethe of co	r qualit	Whether Shoulders being constructed simultaneously
9. O	Observation RD of observation	s - Quality of Thickness of layer in	Mhether quality of the material is acceptable.	Whethe of co	r qualit	Whether Shoulders being constructed simultaneously with sub-base and
9. O	Observation RD observation	s - Quality of Thickness of layer in mm	Mhether quality of the material is acceptable.	Whethe of co	r qualit	Whether Shoulders being constructed simultaneously
9. O	Observation RD of observation	s - Quality of Thickness of layer in	Mhether quality of the material is acceptable.	Whethe of co	r qualit	Whether Shoulders being constructed simultaneously with sub-base and
9. O	Observation RD observation	s - Quality of Thickness of layer in mm	Mhether quality of the material is acceptable.	Whethe of co	r qualit	Whether Shoulders being constructed simultaneously with sub-base and
9. O	Observation RD observation	s - Quality of Thickness of layer in mm	Mhether quality of the material is acceptable.	Whethe of co	r qualit	Whether Shoulders being constructed simultaneously with sub-base and
9. O	Observation RD observation	s - Quality of Thickness of layer in mm	Mhether quality of the material is acceptable.	Whethe of co	r qualit	Whether Shoulders being constructed simultaneously with sub-base and



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

#	RD at which CD is located	Whether quality of the material is acceptable. (Y/N)	Whether quality of workmanship is acceptable. (Y/N)
		,	

Grade: S SRI U suggestions for improvement:	If this item is graded SRI/U, write clear reasons an	d
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#### 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)	are integrated to
-				
1				

Grade: suggestion	S ons fo	SRI	U	If nent:	this	item	is	graded	SRI/U,	write	clear	reasons	and
	:		<b>~</b>				-	1,					
								H. I		_			

#.	Reference of		Thi	ckness	General	TC
.	RDs, CC/SR		Thickness	Acceptable	quality	of General
	Payements	observati	in mm	(Y/N)	material	I Augilla
	provided.	on made.			acceptable.	
					(Y/N)	acceptable
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Com	ments about					
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				valls, wings and	retaining v	valls:
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Conduct			• ;			
Grade:	S U	If this item	is graded II	No.		
Grade:	S U	If this item	is graded U,	write clear reaso	One on d	
	S U	If this item	is graded U,	write clear reaso	ons and sugge	estions for
	S U	If this item	is graded U,	write clear reaso	ons and sugge	estions for
	S U	If this item	is graded U,	write clear reaso	ons and sugge	estions for
	S U nent:	If this item	is graded U,	write clear reaso	ons and sugge	estions for
	S U	If this item	is graded U,	write clear reaso	ons and sugge	estions for
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	S U nent:	If this item	is graded U,	write clear reaso	ons and sugge	estions for
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	S U nent:	If this item	is graded U,	write clear reaso	ons and sugge	estions for
	S U nent:	If this item	is graded U,	write clear reaso	ons and sugge	estions for
	S U nent:	If this item	is graded U,	write clear reaso	ons and sugge	estions for
	S U nent:	If this item	is graded U,	write clear reaso	Ons and sugge	estions for

13.	Road	Furniture	and Markings
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Observations - Item No. 14 a: Quality Road Furniture and Markings:

Citizen Information Board Fixed:

Yes No

No

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

#### Observations - Quality Road Furniture and Markings:

- 13.1.1. Logo Boards Fixed: Yes
- 13.1.2. 200m. Stones fixed: Yes No
- 13.1.3. 1 Km. Stone fixed: Yes No
- 13.1.4. Guard Stones fixed on Curves: Yes No
- 13.1.5. Mandatory and Cautionary Signage Yes No
- Grade: S U If this item is graded U, write clear reasons and suggestions for improvement:

4. General Observations of SQM, (including the observations made during the interaction with PIU staff and Contractor's/ Consultant's Engineers):

14.1. Observations about deficiency in project preparation (Give detailed observations about deficiencies in general and items which have been left but are required as per site conditions):

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

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):

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):

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).



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Quality Grading of items and sub-items of work: The grading of every

	Practi pelo	ow. The pradi-
#		Sidling a
1	Sub Item for Observation	7 319 51
	2	
		Stage of Work Awardable Av
a	Item 1	Setting O
-	Bench Mark and Centre Line	Setting Out and Working Drawing  All Stages
b	Availability of Working	All Stages
_	Drawing Of Working.	S/SRI/II
		All Stages
_		
		14.
a	Site Class	Steen J. Ste
b	Site Clearance and Grubbing Re-use of Sel	St.
_	Re-use of Salvageable Materi	otage-1
٠.	atter)	
		Item Grade Start
_	Item	3 - Onalice 4
a	Quality Arrangements	3 - Quality Arrangements
b	Number of Manda	All Stages
_	per prescribed frequency	S All Stages
c	Maintenance of QC Registers	S/SRI/II
		All Stages
_		S/SRI/II
		Item Grade S/SRI/U S
a	Road way with	
	Road way width	2 per Km in every inspection
ь.	Carriageway width	
_	ournageway width	2 per Km in every inspection S/U
c	Camber	2 per km
	Super-alevetica 8 7	S/U
d	Super-elevation & Extra Widening at Curves	1 curve in each km
		S/U S
		Item Grade S/U
	Item 5A - Earth Work a	nd Sub-grade in Embard
		nd Sub-grade in Embankment/ Cutting  In Stage-I, 1 per km/
a		In Stage-II or III
	Lineankinene sub-grade .	km S/U
	· v	
	· · · · ·	In Stage-I. 2 per km/
b	Compaction	In Stage-I, 2 per km/ In Stage-II or III, 2 per
b c	Compaction	In Stage-I, 2 per km/

	Item 5B - Earth Wo	rk in Cutting in Hilly/ Roll	ling Terrain	
а	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	i
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	
ď	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	Ö	1
	Quality of Material			• •
а	Grain Size	In Stage- II or III, 1 per	S/U	5
b	Plasticity	km	·S/U	5
c	Compaction	In Stage- II or III, 1 per km	S/U	5
d	Total Thickness of Layer	2 per Km	S/U	5
		Item Grade	S/U	3
	Item 7 - Base C	ourse – Water Bound Mac	adam	
а	Grain Size of Course Aggregate		S/U	5
b.	Test for Liquid Limit and Plasticity Index in case fine aggregates are crushable type	In Stage- II or III, 1 per km	S/U	5
c:	Volumetric Analysis for assessment of compaction of WBM	In Stage- II or III, 1 per	.8/Ú	5
d	Surface Evenness using straight edge	In completed WBM 2 Utests per km	S/U	5
e	Thickness of every layer of WBM.	2 per Km	S/Ų	5
		Item Grade	.s/u	7

		Item 8 - Bituminous L	ayer	- Premix Carpet (Pl	MC)/ Surface Dr	essing (cr
ļ	a Level of cleanliness of WBM surface prior to application of bituminous layer		1	28/U	(00)	
	b.	Quality of Prime Coat/ Ta Coat with respect to qualit material and workmanship	vof	1 observation on the	e day	
	Gradation Test for Course Aggregate (if the work in the item is ongoing)/visual observation in case of completed item of work		l test on the day of inspection	-8/Ú	5	
d	1	Grade of bitumen and temperature at the time of mixing and laying (if the woin the item is ongoing)	ork	1 test on the day of inspection	S/U	5
e	+	Bitumen Extraction Test if PMC is complete		1 test per Km	S/U	_
ı	$\neg$	Thickness of layer		2 per Km	S/U	5
g	C	urface Evenness in case of ompleted BT work		2 per Km	S/U	5
				Item Grac	le S/U	5
	0	valiti 'e	Ite	m 9 – Shoulders	1270	5
а	sh	uality of material for oulders	I	n Stage- II or III, 1 test	Tarin	
ь	De	gree of compaction	I	Stage- II or III 14	S/SRI/U	5
		ckness of layer	Ir	Stage- II or III 2	S/SRI/U	5
tem	Gr	ade				=
Ite	m	10 - Cross Drainage Work	<b>IS-</b> (	Causewaye of	S/SRI/U	
To			_	span.	and Culverts und	
pi	pes	including size etc.		Stages	s/sri/u	0 6 m.
Qu	nos	y of Workmanship such				1.
wal etc.	113,	itioning of pipes, wing cushion over H Pipes	All	Stages	S/SRI/U	
	٠,		-			1 1
1	-		_	Item Grade	S/SRI/U	1 :
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1.00

	Item 11 - Side	Drain and Catch Water I	rain ·	
a	General quality of Side Drains/ Catch Water Drains and their integration with CDs.	All Stages	_S/SRI/U	5
		Item Grade	SISRIAU	5
_	Item 12 - CC/ Semi Rigid	Pavements and Associate	d Pukka Drai	ns
a	Quality of Material — Concrete, Stone/ Concrete Block Pavement etc.	In Stage- II or III, 1 per 100 m. Length of Pavement	S/U : -:	
b	Strength of CC in Concrete Pavement/ Concrete Block Pavement	In Stage- II or III,1 per 100 m. Length of Pavement	S/U	
c	Quality of Workmanship – Wearing surface texture, Adequacy of setting of concrete, Joints, Edges etc.	In Stage- II or III	S/U	
d	Thickness of Layer	In Stage- II or III, 1 per 100 m. Length of Pavement	S/U	
		Item Grade	S/U	
	. Item 13 - R	oad Furniture and Marki	ngs	
а	Citizen Information Board, Main Informatory Board, Quality and whether fixed during construction.	Stage-I	S/U	5
ъ	Logo boards, 200 m stones and Km stones, quality and whether fixed after completion.	Stage-III	S/Ü	5
c	Whether the information in boards is given in local language.	Stage-I and III	S/U	5
		Item Grade	S/U	15

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

Item No.1. Item No.2	Sub Item for Observation	Awarded Grade
Item No 3	Setting Out and Working Drawing Site Clearance and Grubbing Quality Array	5
Item No 4 Item No 5 A	Geometrics	
Item No 5 B	Earth Work and Sub-grade in Poblankment Sub-grade in Sub-grade	
Item No.7 Item No.8 Item No.9	Sub-Base  Base Course Water Dound Macadam  Bituminous Layer Premix Carpet (PMC)  Shoulders  Cross Decisions (Curting in Hilly Rolling Herminian Substitution of the Macadam Substitution of the Macada	
Item No 10	Cross Drain	
tem No 11	Side Drain and Catch Water	1
tem No 12	CC/ Semi Rigid Pavements and Associated.  Pukka Drains	
em No 13	Road Furniture and Markings	
	Overall Grading	5

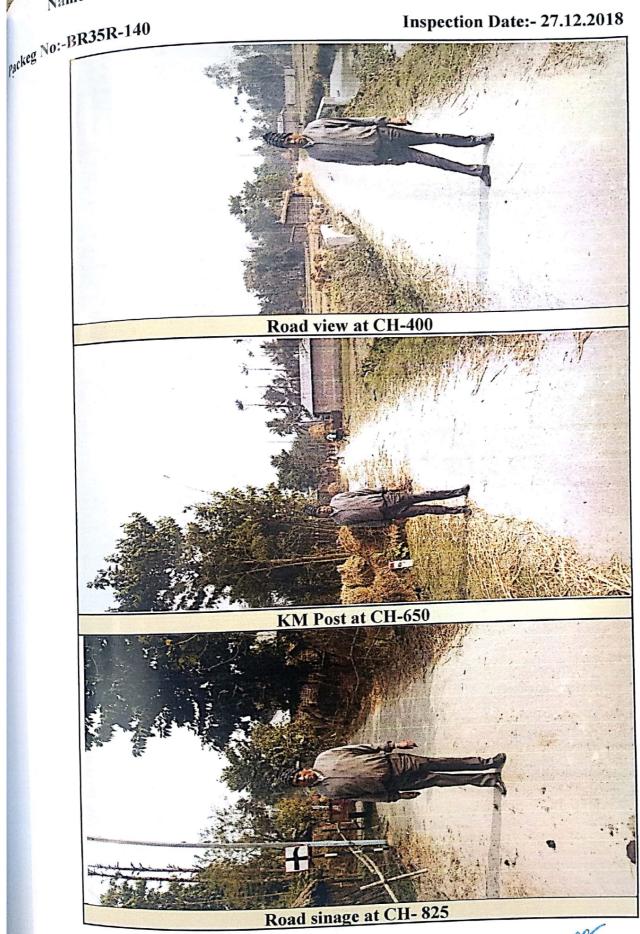
Signature:	2000000/1
Name:	Jan 10 10
Date:	3 15.18

Packeg No:-BR35R-140

Inspection Date: - 27.12.2018

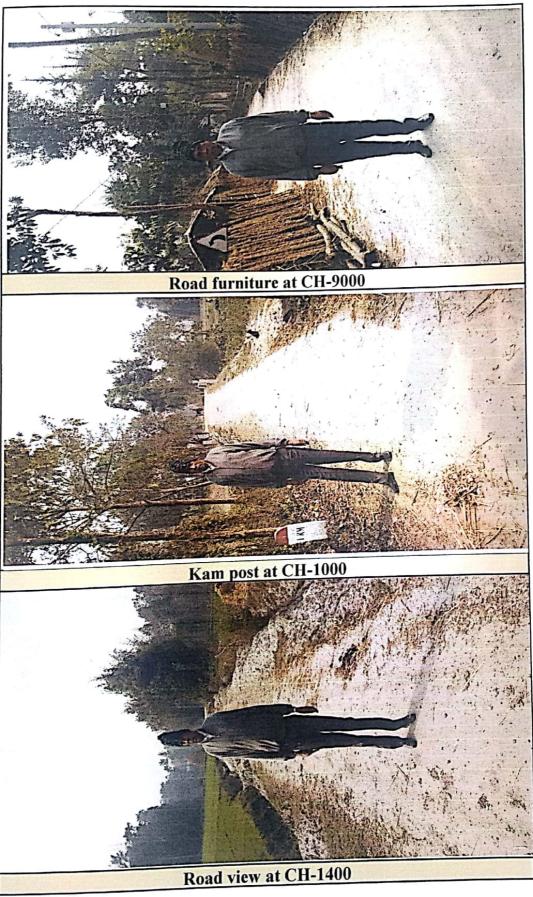


Inspection Date: - 27.12.2018



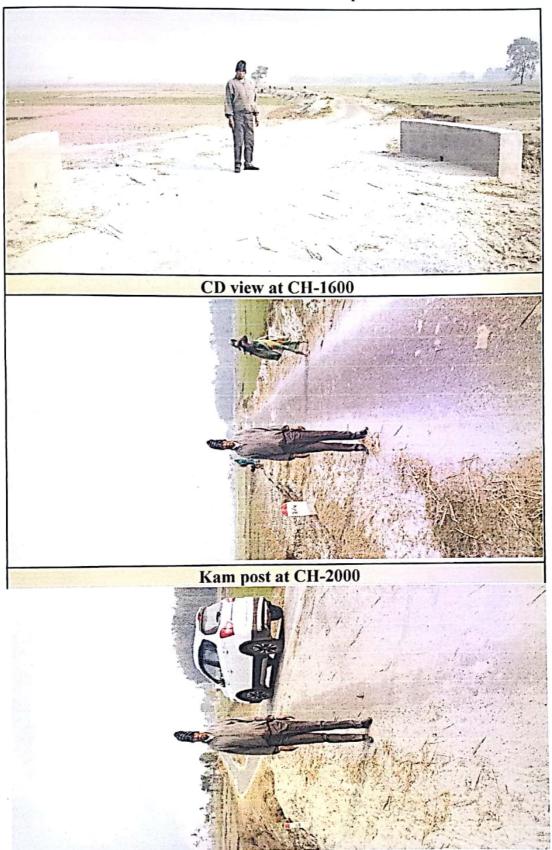
Packeg No:-BR35R-140

Inspection Date: - 27.12.2018



ickeg No:-BR35R-140

Inspection Date: - 27.12.2018



End view of rd at CH-2165

38.13.18