Format 1- Part I

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

GENERAL:	Work	is Ongoing	Comp	leted		
1.1. Date of Inspec	ction: 248 1/24	11/8				
1.2. Name of State	Quality Monitor:	1				
	mastipur Block	Usiyar	Dur			
1.4. Name of Road	t: From 4060.	Tel		to Suras	Pur	
1.5. Package No.:	BR 30R 569					
1.6. Length 1.0 %	m Flexible Pavement	سرهسو Km. CC/othe	er Paven	nent O. to m.		
= Total. 1:095Km	-	195				
1.7. Estimated Cost	(As cleared by GOI):	Rs.	43.1	//	Lakh	
1.8. Technical Sar	nction Cost:	Rs. 46-8	13	Lakh		
1.9. The Work is a	a Case of: New co	onnectivity	Up grad	ation		
1.10. Terrain	Dain Rolling	Hilly				
1.11. Date of Start o	f the Work:	26 0	2 18			
	100000		+			
1.12. Stipulated Dat	e of Completion:	25 05	2 19		^	
1.13. Actual Date of	of Completion (if work	completed):		T.	In Po	ogress
	PROGRESS: (In case		orks onl	v) Construction		O
Programme and Phys	sical Progress:	.,		,		
Item	Completed	Dates for	Start	Completion	Delay in	7
rtem	percentage of Item	completion	Date	Date	Months	4
Earth Work	904.	Due				4
	/-	Actual				4
CD Works	100 %.	Due				\dashv
211 11		Actual				\dashv
Sub base i/c	90 Y.	Actual				
Shoulders Base Course (Non	2	Due				7
Bitu.)	957.	Actual				7
Base /Wearing		Due				
Course (Bitu.)	_	Actual				
CC Pavement	_	Due				_
Contract Contract of School			1		1	4
<u> </u>		Actual			-	
Signage etc	404.	Actual Duc				

Actual

- 3. QUALITY CONTROL:
 - 3.1. Location of Field Laboratory: 0-800KM 0-120 KM
 - 3.2. Quality Control Register Part-I is maintained by: Controler
 - 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:

Statement	•		The bar BILL with
Date of	Inspected	Observations	Action Taken by PIU with
Visit .	Ву		Date
20/05/1€	Es Ravinden Kumai Sinha SQM	Require Improvement	ATR Complied & venter by Er. S. N.P. Satyarthers and sent to BRROA for Regrande on 24/12/18
27/10/18	Ex. Daljil- Lingh Waled	Require Insprovement	for Region de 90 24/12/18
	ğı.		
		- ,	
			1
1		Cea \Q	Tall Mux
-		10, 28	N. Carons

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

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)	prepared Wo	operly orking work is
	Y		Y	9	170

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

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

#	Whether Clearing Grubbing being done as per DPR Material obtained being disposed properly (Y/N)	and is off	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 scarifying existing work 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:

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 Executed	Work	Quantity	Name Test	of	No. of Test required	No. of Tests Conducted by PIU/Contractor
					_		
_					_		
_							
		1 (200			_		
			-				
					_		
_	-						
-							
			-	-		ř,	
_			+				
#	Based		xecuted WI	nether QC Reg	gisto	er Part Whe	ether QC Register Part aintained and test

#	Based on quantities who mandatory conducted.	the	test	1 1	Whether QC Register Part maintained as per provisions. Yes Partly No	Whether QC Register Part Il maintained and test results monitored as per provisions. Yes Partly No
	Υ				Y	i i i i i i i i i i i i i i i i i i i
	ading: Grade:	S	SRI	U	If this item is graded SRI/U	J, write clear reasons and
su	ggestions for	1111	proveme	in.	1	
-					2	
					•	

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 %
120m	6.00M	3.75 h.	3.10%				
		=					

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)
		NA.			

Grade: S U improvement:	If this item is graded U, write clear reasons and suggestions for
	`s'
5. OBSERVATIONS D	

ARDING THE QUALITY OF ITEMS OF WORKS. Earthwork:

Observations - Quality of Material for Embankment/ Sub

#	7	Sub-ana 1	
- "	Location (RD)	On Visual Classic Mental Sub-grade:	
		On Visual Classification identify	
		the Group Symbol and write	Quality of material is
	120 M	2 wood and write	acceptable and trial is
			acceptable. (Y/N)
			V
-	5-2		

Grade: Suggestio		S U improvemen	If this item is g nt:	graded U, write	clear reasons and	
			`s '		¥' +'	'
bservat	ion –W	orkmanshi/	p for Embankm		rade Constructio	
# Loc	ation	MDD KN/	m³ Field	D	egree of Compact	ion
	(D)	(As per record)	Moisture	Field Density KN/m ³	Dry Density KN/m ³	Compaction adequate. (Y/N)
_	_			12		(2007)
_						
	100	1967				.*
\rightarrow						
Grade	: S		s item is graded L	J, write clear rea	asons and suggesti	ons for
			1.1			
Observ	ation -	Side slopes	and profile:			
			Whether Side S	Slopes	Whether pro	file is
#	Loca	tion (RD)	Satisfactory (Y		Satisfactory	(Y/N)
			Satisfactory (1	/	Y	
	12	OM	7			
		-				
					-	
1	ı					

					. Link	Emb	ankmen	ts:	
	F-	th work in	Hilly/F	Rolling	terrain or high	Ellion	e Forma	tion is	prope
bserv	ations - Ea	Cut Slopes	& Prof	ile,	Adequate	siop	s dresse	d and	traff
#	Location	whether ap			protection	WOIL		y. (Y/N)	
	(RD)	whether ap	N)		executed. (Y/N)	Worth)· \	
		stable. (Y/I	(1)						
			1 1						
			4 A						
_									
hserv	ations – La	ongitudinal	Gradici	nt in ca	se of road in hi	lly/rol	ling terr	ain:	
	Between	Longitu		S/U			Long	itudinal	S/U
	.& RD	Gradi			RD& RD		Gra	adient	
KD	.& KD		44						
-			F 44						
									1
				-		_			
Grad impro	e: S vement:	U If this	item is	gradeo	1 U, write clear	reaso	ns and su	iggestions	for
Sub-	Base:					reaso	ns and su	uggestions	for
Sub-	Base:	U If this				reaso	ns and su	iggestions	for
Sub-	Base: 'ations - Qu			nd Wor		Ob Thi	served ekness Layer	Presc Thick provi	ribed ness ded
Sub-	Base: 'ations - Qu	Confirms to Grading.	Suita Fro plast ang	nd Wor	kmanship: Whether compaction is adequate. (Y/N)	Ob Thi of (in	served ckness Layer mm)	Presc: Thick	ribed ness ded
Sub-	Base: 'ations - Qu	Confirms to Grading. (Y/N)	Suita Fro plast ang	nd Wor	kmanship: Whether compaction is adequate.	Ob Thi of (in	served ekness Layer	Presc Thick provi	ribed ness ded
Sub-	Base: 'ations - Qu	Confirms to Grading. (Y/N)	Suita Fro plast ang	nd Wor	kmanship: Whether compaction is adequate. (Y/N)	Ob Thi of (in	served ckness Layer mm)	Presc Thick provi	ribed ness ded

#	Location	Cut Slopes & P	rofile,	Adequate		Formation	is	properl
	(RD)	whether appear	s to be	protection	work	s dressed	and	traffic
		stable. (Y/N)		executed. (Y/	N)	worthy. (Y	/N)	
				1				
-	-			 				
				 		-	_	
				. 0 10		1		
				+-/-				
Obs	ervations – l	Longitudinal Gr	adient in	case of road in	hilly/ro	lling terrain	:	
	ef. Between	Longitudir		U Ref. Bety	veen	Longitud	linal	S/U
	D& RD	_		RD& F	RD	Gradie	ent	_
 ``	KB		212					
-			-					
				_ 	·			
				/				
_				ded U, write cl	1			-
iı	mprovement:							
iı	mprovement:			/				
iı	mprovement:							
	Cub Page	- Quality of Mat	er/al and					
	. Sub-Base: Observations	- Quality of Mat Confirms to Grading.	Suitable from plastic angle (Y/N	Workmanship: le Wheth ity compac is adequ	er tion ate.	Observed Thickness of Layer (in mm)	Pro Th pr	
6.	. Sub-Base: Observations	- Quality of Mat Confirms to Grading.	Suitab from plastic angle	Workmanship: le Wheth ity compac is adequ	er tion ate.	Observed Thickness of Layer	Pro Th pr	escribed ickness ovided
6.	. Sub-Base: Observations	- Quality of Mat Confirms to Grading.	Suitab from plastic angle	Workmanship: le Wheth ity compac is adequ	er tion ate.	Observed Thickness of Layer	Pro Th pr	escribed ickness ovided

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.):

NA.

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

NA.

In case of PMC/BM/MPM/C 1 =

	case of PMC	BM/MDM/C			
#	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)
	-			- 4	

ra	de: S	s U	If this it	em is	graded U,	write clear reaso	ns and	d suggestions	for improvement:
7									
								H L	
									flated wa
	Obs	erva	tions - V	Vork	manship of	BT layer PMC	BM/N	MPM (in case	of completed wo
Γ	#	Lo	cation		Thi	ckness			
- 1			(RD)	Thi	ickness in	Whether thickn	- 1	Within acce	eptable limits. (Y/
					mm	is adequate. (Y	/N)		
1									
1		+			\ \ \				
					NA.				
							1		
		-		-					
	1	1		1		1		1	
		rade		U	If this item	is graded U, write	clear	reasons and su	uggestions for
			e: S vement:	U	If this item	is graded U, write	clear	reasons and su	nggestions for
				U	If this item	is graded U, write	clear	reasons and su	uggestions for
				U	If this item	is graded U, write	e clear	reasons and su	aggestions for
				U	If this item	is graded U, write	e clear	reasons and su	iggestions for
	iņ	npro	vement:		If this item		e clear	reasons and su	
	iņ	o. Ol	venient:	ns - (Quality of S	houlders:	Whe	ther quality	Whether Should
	iņ	npro	bservatio	ns - (Quality of S	houlders: Whether quality of the	Whe	ther quality	Whether Should being construct
	iņ	o. Ol	venient:	ns - (Quality of S	houlders: Whether quality of the material is	Whe of work	ther quality compaction kmanship is	Whether Should being construct simultaneously
	iņ	o. Ol	bservatio	ns - (Quality of S Thickness of layer in	houlders: Whether quality of the	Whe of work	ther quality	Whether Should being construct simultaneously with sub-base ar
	iņ	o. Ol	bservatio	ns - (Quality of S Thickness of layer in	houlders: Whether quality of the material is	Whe of work	ther quality compaction kmanship is	Whether Should being construct simultaneously with sub-base ar base course (Y/I
	iņ	o. Ol	bservatio RD of observa	ins - C	Quality of S Thickness of layer in	houlders: Whether quality of the material is Acceptable.	Whe of work	ther quality compaction kmanship is	Whether Should being construct simultaneously with sub-base ar
	iņ	o. Ol	bservatio	ins - C	Quality of S Thickness of layer in	houlders: Whether quality of the material is Acceptable. (Y/N)	Whe of work	ther quality compaction kmanship is	Whether Should being construct simultaneously with sub-base ar base course (Y/I
	iņ	o. Ol	bservatio RD of observa	ins - C	Quality of S Thickness of layer in	houlders: Whether quality of the material is Acceptable. (Y/N)	Whe of work	ther quality compaction kmanship is	Whether Should being construct simultaneously with sub-base ar base course (Y/I

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)
		- NA -		
EV.				in the factor

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

11. Side Drains and Catch water Drains: Observations:

#	Raference	Type of CD	Whether quality of the	Whether quality of workmanship is
	RDs where side drain Constructed.	Which Observation made.	Of the Side drains/Catch- water drains is Acceptable.(Y/N)	Are intregrated to cross drains. (Y/N)
		- NA		
		-,		

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

					a side brains:	
#	Reference of RDs, CC/SR Pavements Provided.	RD at which observation on made.	Thickness in mm	ckness	General quality of material is Acceptable. (Y/N)	General quality of workmanship acceptable(Y/ N)

mments about adequ					
	+)	L L		R. I.	Carlotte Co
10 B	1.6				
3 4 C 4					
,					
3. Road Furniture Observations - Item Main Informatory Bo Citizen Information I	No. 14 a: Quality ard Fixed:	Road Furniture Yes No Yes No	and Mark	ings:	

Observations - Quality Road Furniture and Markings: 13.1.1. Logo Boards Fixed: 13.1.2. 200m. Stones fixed: 13.1.3. 1 Km. Stone fixed: 13.1.4. Guard Stones fixed on Curves: 13.1.5. Mandatory and Cautionary Signage

No		
No	Ou and a	
No No	Ongozna,	WBM Level.
No) [,

No

No No

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

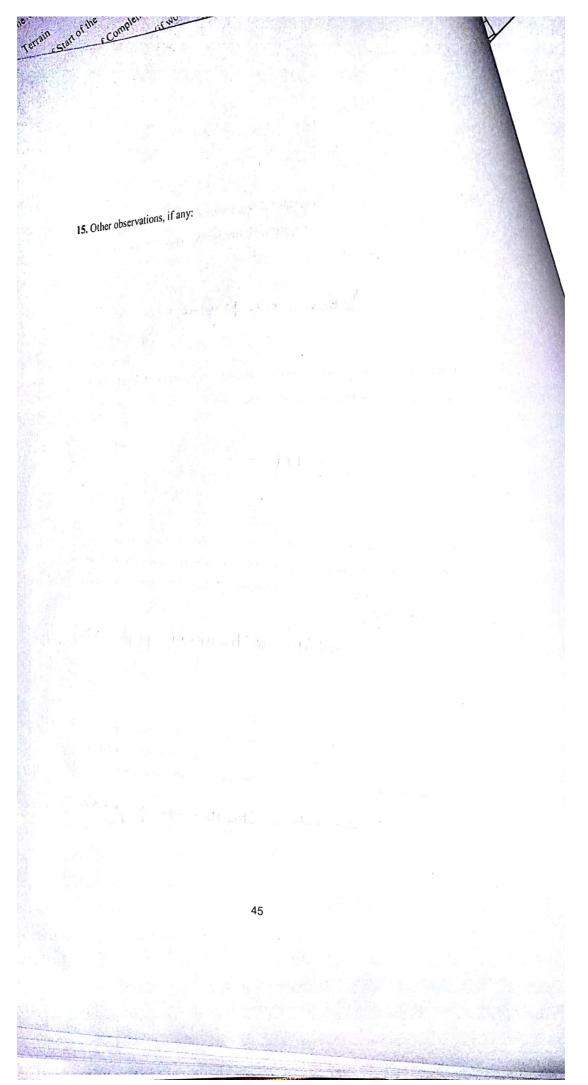
- General Observations of SQM, (including the observations made during the interaction with PIU staff and Contractor's/ Consultant's Engineers):
 - 14.1. Observations about deficiency in project preparation (Give detailed observations about deficiencies in general and items which have been left but are required as per site

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 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).



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
	Item 1 – Settin	ng Out and Working Drawin	g	1
a	Bench Mark and Centre Line	All Stages	S/SRI/U	3
b	Availability of Working Drawing	All Stages	s/sri/U	5
		Item Grade	S/SR I/U	5
	Item 2 – Si	ite Clearance and Grubbing		
a	Site Clearance and Grubbing	Stage-I	S/SRI/U	_
b	Re-use of Salvageable Material	Stage-I	S/SRI/U	
Ü	No the of our agencie material	Item Grade	S/SRI/U	-
\vdash	Item 3	- Quality Arrangements		
a	Quality Arrangements	All Stages	S/SRI/U	2
ь	Number of Mandatory Tests as per prescribed frequency	All Stages	S/SRI/U	11
c	Maintenance of QC Registers	All Stages	S/SRI/U	ے ۔
-	Willing of Q 2 11-5	Item Grade	S/SRI/U	2
-		Item 4 – Geometrics		
a	Road way width	2 per Km in every inspection	S/U	S
ı	Carriageway width	2 per Km in every inspection	S/U	\$
-	Camber	2 per km	S/U	2
F	Super-clevation & Extra Widening at Curves	1 curve in each km	S/U	, -
-		Item Grade	S/U	2
+	Item 5A - Earth Wor	k and Sub-grade in Embankn	nent/ Cutting	
	Quality of Material for Embankment/ Sub-grade	In Stage-I, 1 per km/ In Stage- II or III, 1 per km		2
+		In Stage-I, 2 per km/ In Stage- II or III, 2 per km	S/U	S
}	b Compaction c Side Slopes and Profile	2 per km in Stage III	S/U	ع

		Vork in Cutting in Hilly	Rollin	ng Terrain		
_	Jam 5B - Earth V	ork in Cutting in Hilly		T		
а	Stability and Workmanship of Cut Slopes	Stage Lacations Wi	th	S/U		
_ _	Adequacy of Slope Protection	All Stages - In gene	ral	S/U	\dashv	11
b c	Upon completion of formation cutting, dressing, traffic worthiness	At Stage III, at 2 cri locations with maxin height of cutting in each	າແກ	S/U		-
d	Longitudinal Gradient	Stage II/III - 1 critical and fairly represental stretch of 200m in ea	tive	S/U		
10	j., i	Item G	rade	S/U	i i	
-	was a second	Item 6 - Sub-Base		1		
1	Quality of Material					
1	Grain Size	In Stage- II or III, 1 po	r	S/U		S
,	Plasticity	km		S/U		_
	Compaction	In Stage- II or III, 1 pe	r	S/U	Τ,	S
	Total Thickness of Layer	2 per Km		S/U	5	
. 12	k	Item Gra	ide .	S/U		<u> </u>
1	Item 7 - Base	Course – Water Bound N	1acada	ım		
	Grain Size of Course Aggregate			S/U	-	
-11	Test for Liquid Limit and Plasticity Index in case fine aggregates are crushable type	In Stage- II or III, 1 per		/U	,	
a	olumetric Analysis for ssessment of compaction of WBM	In Stage- II or III, 1 per k	m			
st	urface Evenness using traight edge	In completed WBM 2 tests per km	S/U		-	
	hickness of every layer of WBM.	2 per Km	15.0			
T	5141.	- bei Kill	S/L			

			n	14
_	Item 8 - Bituminous Layer - Pre	mix Carpet (PMC)/ Surface	Dressing (SD)	
s	urface prior to application of	l per Km	S/U	
1	Coat with respect to quality of	1 observation on the day of inspection	S/U	
	Aggregate (if the work in the	1 test on the day of inspection	S/U	
	Grade of bitumen and temperature at the time of mixing and laying (if the work in the item is ongoing)	I test on the day of inspection	S/U	
2	Bitumen Extraction Test if PMC is complete	1 test per Km	S/U	1 /
ſ	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	4	
a	Quality of material for	In Stage- II or III, 1 test per Km	s/sri/U	S
h		per Km	s/sri/U	,
-	This is a self-lever	In Stage- II or III, 2 tests	S/SRI/U	
-		II	S/SRI/U	2
1	Item 10 - Cross Drainage Works	- Causeways of all spans span.	and Culverts	upto 6 m.
-	Quality of Material – Concrete, Stone/ brick masonry, Hume pipes including size etc.	All Stages	S/SRI/U	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Quality of Workmanship such as positioning of pipes, wing	All Stages	s/sri/U	
	si si bi	Level of cleanliness of WBM surface prior to application of bituminous layer Quality of Prime Coat/ Tack Coat with respect to quality of material and workmanship Gradation Test for Course Aggregate (if the work in the item is ongoing)/visual observation in case of completed item of work Grade of bitumen and temperature at the time of mixing and laying (if the work in the item is ongoing) Bitumen Extraction Test if PMC is complete Thickness of layer Surface Evenness in case of completed BT work a Quality of material for shoulders b Degree of compaction c Thickness of layer Item Grade Item 10 - Cross Drainage Works Quality of Material - Concrete, Stone/ brick masonry, Hume pipes including size etc. Quality of Workmanship such as positioning of pipes, wing walls, cushion over II Pipes	Level of cleanliness of WBM surface prior to application of bituminous layer Quality of Prime Coat/ Tack Coat with respect to quality of material and workmanship Gradation Test for Course Aggregate (if the work in the item is ongoing)/visual observation in case of completed item of work Grade of bitumen and temperature at the time of mixing and laying (if the work in the item is ongoing) Bitumen Extraction Test if PMC is complete Thickness of layer Surface Evenness in case of completed BT work Item Grade Item 9 - Shoulders In Stage-II or III, 1 test per Km In Stage-II or III, 1 test per Km In Stage-II or III, 2 tests per km Item Grade Item Grade	surface prior to application of bituminous layer Quality of Prime Coat/ Tack Coat with respect to quality of material and workmanship Gradation Test for Course Aggregate (if the work in the item is ongoing)/visual observation in case of completed item of work Grade of bitumen and temperature at the time of mixing and laying (if the work in the item is ongoing) Bitumen Extraction Test if PMC is complete Thickness of layer 2 per Km S/U S/U S/U S/U S/U S/U S/U S/

	Item 8 - Bituminous Layer - P	remix Carpet (PMC)/ Surf	ace Dressing (SI))
a	Level of cleanliness of WBM surface prior to application of bituminous layer	1 per Kın	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	to a
c 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	
d	Grade of bitumen and temperature at the time of mixing and laying (if the work in the item is ongoing)	I test on the day of inspection	S/U	
e	Bitumen Extraction Test if PMC is complete	1 test per Km	S/U	
f	Thickness of layer	2 per Km		
g	Surface Evenness in case of completed BT work	2 per Km	S/U S/U	
-		Item Grade	S/U	
_	0 "	Item 9 - Shoulders		
a	Quality of material for shoulders	In Stage- II or III, 1 test per Km	S/SRI/U	. 10
b	Degree of compaction	In Stage- II or III, 1 test per Km	0.00	
e	Thickness of layer	In Stage- II or III, 2 tests per km	S/SRI/U	
	Grade	S/SRI/U		
I	tem 10 - Cross Drainage Works	S/SRI/U		
T	Quality of Material - Concrete,	span.	and Culverts u	pto 6 m.
	pipes including size etc.	All Stages	S/SRI/U	
- 1	Quality of Workmanship such as positioning of pipes, wing walls, cushion over H Pipes de.	All Stages		
	over 11 Pipes etc.		S/SRI/U	

	Item 11 - Side I	Drain and Catch Water Dra	in	÷		
a	General quality of Side Drains/ Catch Water Drains and their integration with CDs.	All Stages	s/sri/U	-		
	,	S/SRI/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	-		
b	Strength of CC in Concrete Pavement/ Concrete Block Pavement	In Stage- II or III,1 per 100 m. Length of Pavement	S/U	2		
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			7 to 100		
	Item 13 - Ros	ad Furniture and Markings				
а	Citizen Information Board, Main Informatory Board, Quality and whether fixed during construction.	Stage-I	S/U	- ,		
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			
		Item Grade	S/U	2.000.00		

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

Îtem 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	S
Item No 5 B	Earth Work in Cutting in Hilly/ Rolling Terrain	_
Item No 6	Sub-Base	٤
Item No 7	Base Course - Water Bound Macadam	2
Item No 8	Bituminous Layer – Premix Carpet (PMC)/ Surface Dressing (SD)	_
Item No 9	Shoulders	
Item No 10	Cross Drainage Works – Causeways of all Spans and Culverts up to 6 m. span.	_
Item No 11	Side Drain and Catch Water Drain	_
Item No 12	CC/ Semi Rigid Pavements and Associated Pukka Drains	_
Item No 13	Road Furniture and Markings	_
	S	

Signature :

Name:

Date: