Format 1- Part I

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

GENERAL:		Work is	Ongoing	Comp	leted		
1.1. Date of Inspec	ction: DIS	121	1/8				
1.2. Name of State	e Quality Monito)1"					7
1.3. District: Se	gmostipus	Block.	12.500	20/ DILLO			
1.4. Name of Road		067-4	05146 023	. ,	10 KHU	PURA	
1.5. Package No.: 1.6. Length: 1.7K		0	4.	her Paven	ent 0.00 m.		
1.7. Estimated Cost	(As cleared by (GOI):	Rs.	58,3	38	Lakh	
1.8. Technical Sar							
1.9. The Work is a	a Case of:	New con	nectivity	Up grada	ation		
1.10. Terrain	Plain Ro	olling	Hilly				
1.11. Date of Start o	f the Work:		26 0	2 18			
1.12. Stipulated Date	1.12. Stipulated Date of Completion: 25 02 19						
1.13. Actual Date of	of Completion (if	work co	mpleted):			In Propos	22
2. PHYSICAL Programme and Phys	PROGRESS: (A sical Progress:	In case of	f On going	works only) Construction	d	
Item	Completed percentage of It		Dates for completion	Start Date	Completion Date	Delay in Months	
Earth Work	001/		Due				1

Item	Completed percentage of Item	Dates for completion	Start Date	Completion Date	Delay in Months
Earth Work	80%.	Due			
	307	Actual			
CD Works		Due			
'		Actual			
Sub base i/c	004	Due			
Shoulders	80%	Actual			
Base Course (Non	85%	Due			
Bitu.)	057	Actual			
Base /Wearing	The Mark the State State Company	Due			
Course (Bitu.)	,	Actual			
CC Pavement		Due			
		Actual			
Signage etc	40 %	Due			
	407.	Actual			

3. QUALITY CONTROL:

- 3.1. Location of Field Laboratory: 0.120kH 0.800 KM
- 3.2. Quality Control Register Part-I is maintained by: Contoucher
- 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	Inspected	Observations	Action Taken by DILL
Visit	Ву		Action Taken by PIU with
25/03/	8 Es - Ravindo		Date
	Kunga Lioha	Ţ.,	
	MOZ	Required lossoremet	Action Taken by PIU with Date ATIR Complied & verif by Ev. S.N. P. Salyarthe S Q M and Sent to BRRDA for Regarde on 24/14/18
. 1. 1.			by Fr. S.N.P. Saturde
6/10/18	D. Dalji-		CON and a
	Lingh Wales	D	book is sent to
	Nam	Kequised Isospowers.	BRRUA for Regondo
			001 24/14/18
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		<u> </u>	8/2/16 U) Lay 149

Name and Signature of the Head of PIU, Date:

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
0			_

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)
	Ý	0	7	7
	Grading: Grade: Suggestions for i		f this item is graded SRI/U, w	rite clear reasons and

Grading: Grade: SSRI Ulf this item is graded SKI/U, write clear reasons and Suggestions for improvement:

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

#	Grubbing being done as per DPR and Material obtained is being disposed off	available from scarifying existing work	Name the reusable material obtainable from clearance or scarification and indicate approximate quantity and its re-use by the PIU.
	properly (Y/N)	i i	f.

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

3. QUALITY ARRANGEMENTS AND ATTENTION TO QUALITY - For all stages of	οf
Observations about Field Laboratory:	-

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

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 (Quant		Name				
_	Executed				Test	of	No. o	of Tests ed	No. of Tests Conducted by PIU/Contractor
									actor actor
							_		
_			_						
_				_					
_				_	-				
_	-				-	- 1			
						_	_		
_			_	_					
_					-				
_					-				
#	Based o	n exe							
	quantities	whether	cuted	Whet	her QC R	egister	r Dant		
	mandatory conducted.	mether			ntained as sions.	per	rail	Whether II mainta	QC Register Part ined and test

quantities whether all mandatory tests conducted. Yes Partly No Grading: Grade: S SRI Usunggestions for improvement:	Whether QC Register Part I maintained as per provisions. Yes Partly No Y If this item is graded SRI/U	Whether QC Register Part II maintained and test results monitored as per provisions. Yes Partly No Y , write clear reasons and

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 %
525	6.00	3,75	2.75%				
860	6.50	3.75-	2.95%		1 4/4	and the last	A. 1 199

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)
		No Curre			
		NA -			1
				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

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

5. OBSERVATIONS REGARDING THE QUALITY OF ITEMS OF WORKS. Earthwork:

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

#	Location (RD)	On Visual Classification identify	Quality of material is
		the Group Symbol and write	acceptable. (Y/N)
	800 m.		Y
			1

	ade: ggestions for	S U	If nent:	this item is	graded U, w	rite clea	r reasons and	1
				`s '				
Obs	ervation –V	Vorkmans	hip fo	r Embankn	ent and Su	b-grade	Construction	on:
#	Location	MDD KN	V/m ³	Field		Degree	of Compact	ion
- 1	(RD)	(As p		Moisture	Field Dens	ity I D	ry Density	Compaction
		record		Content	KN/m ³		IN/m ³	adequate. (Y/N)
_	525 m.							
-	880 m							
-								
				1				
	rade: S provement:	U If th	is item	is graded U	, write clear	reasons a	and suggestic	ons for
Obs	servation – S	Side slopes	and p	orofile:				
	# Locati	on (RD)		ether Side Slosfactory (Y/I		W	hether profil	e is
	81	to m	Juli	Y	•)	S	atisfactory (Y	(/N)
_		*						
			-	*				

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

#	Location (RD)	Cut Slopes & Profile, whether appears to be stable. (Y/N)	protection works	Formation is dressed and worthy. (Y/N)	properly traffic
	<u>en , </u>	NA.	- 2		91
		Y			
					1

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
	MA.	1			i
		1	1		

Grade: S U	If this item is graded U, write clear reasons and suggestions for						
improvement:							
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							

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)
	800 m.	Y		Υ	100 um.	Υ
					4.5	
					a a second	

	ALANG - H	arin work		_			Forms		prop
)bser	vations - E	Cut Slope	e Pr Profil	P	terrain or hig Adequate	slope	1 Form	ation is	
#	Location	whether a	nnears to	he.	protection	works	dresse		_
	(RD)	whether a	ppears to		executed. (Y/	N)/	worth	y. (Y/N)	
	7 100	stable. (Y/N)		4/4					
		1.0				/			
				- 1					
		-		\neg					
		11							
	-					30			
								cain:	
	votions - I	ongitudinal	Gradient	in ca	se of road in h	illy/rolli	ing teri	am.	S/U
		ongreature.	locibu	S/U	Ref. Between	een			3/0
	Between	Longit		5/0	RD& RI		Gra	adient	$-\!\!\!\!\!+\!\!\!\!\!-$
RD.	& RD	Grad	ient	7	1/				
					/		and the second		
					/				+
				-/					
				$-\!$					
	de: S ovement:	U If this	s item is g	grided	U, write clear	reasons	and su	ggestion	s for
		U If this	s item is g	grided	U, write clear	reasons	and su	ggestion	s for
		U If this	s item is g	grided	U, write clear	reasons	and su	ggestion	s for
		U If this	s item is g	graded	U, write clear	reasons	and su	ggestion	s for
		U If this	s item is g	graded	U, write clear	reasons	and su	ggestion	s for
Sub	ovement:	U If this		/		reasons	and su	ggestion	s for
Sub	ovement:			/ Work	manship:			21	
Sub	ovement:		Suitabl from	Work e	manship:	Obser	rved	Presc	ribed
Sub	ovement:	Confirms	Suitabl from plasticit	Work e	manship: Whether compaction	Obser Thick	rved ness	Presc Thicl	ribed
Sub-	Base: vations - Qu	Confirms	Suitabl from plasticit	Work e	Whether compaction is adequate.	Obser Thick of La	rved ness	Presc Thicl prov	ribed kness ided
Sub-	-Base: vations - Qu	cality of Ma	Suitabl from	Work e	manship: Whether compaction	Obser Thick	rved ness	Presc Thicl	ribed kness ided
Sub-	Base: vations - Qu	Confirms	Suitabl from plasticit	Work e	Whether compaction is adequate.	Obser Thick of La	rved ness	Presc Thicl prov	ribed kness ided
Sub- bserv	Base: vations - Qu	Confirms	Suitabl from plasticit	Work e	Whether compaction is adequate.	Obser Thick of La	rved ness	Presc Thicl prov	ribed kness ided
Sub-	Base: vations - Qu	Confirms	Suitabl from plasticit	Work e	Whether compaction is adequate.	Obser Thick of La	rved ness	Presc Thicl prov	ribed kness ided
Sub-	Base: vations - Qu	Confirms	Suitabl from plasticit	Work e	Whether compaction is adequate.	Obser Thick of La	rved ness	Presc Thicl prov	ribed kness ided
Sub-	Base: vations - Qu	Confirms	Suitabl from plasticit	Work e	Whether compaction is adequate.	Obser Thick of La	rved ness	Presc Thicl prov	ribed kness ided

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/ Seal Coat Write Laying Write Mixing Whether the Whether Location Temperature Temperature Course binder is of (RD) and whether it is and whether it approved grade. Aggregate in permissible is in (Y/N) confirms to permissible limits. (Y/N) grading. limits. (Y/N) (Y/N)

					d suggestions	for improvement:
		it aradeo	U, write clear re	asons an	a suggestion	for improvement:
Grad	de: SU If this	item is grades	,			
						a mulated work
		hin	of RT layer PM	C/BM/N	APM (in cas	e of completed work: surface evenness is entable limits. (Y/N)
Ob	servations - V	Vorkmansnip	Thickness		Whether	surface eveniness is
#	Location	Thickness in		kness	Within acc	eptable limits. (Y/N)
	(RD)		is adequate. (Y/N)		
		mm	is adequate.			
	1					
		- N	1 A -			
		11	71			
	+					
			1			
		I If this item	n is graded U, wri	te clear	reasons and s	uggestions for
	nde: S U	I If this item	n is graded U, wri	te clear i	reasons and s	uggestions for
		I If this item	n is graded U, wri	te clear i	reasons and s	uggestions for
imp	rovement:			te clear	reasons and s	uggestions for
imp				te clear	reasons and s	
9. C	observations -	Quality of S		Wheth	ner quality	Whether Shoulder
imp	Observations -	Quality of S	houlders:	Wheth	ner quality	Whether Shoulder being constructed
9. C	observations -	Quality of S Thickness of layer in	houlders:	Wheth	ner quality	Whether Shoulder being constructed simultaneously
9. C	Observations -	Quality of S	houlders: Whether quality of the material is	Wheth of co workin	ner quality	Whether Shoulder being constructed
9. C	Observations -	Quality of S Thickness of layer in	Whether quality of the material is Acceptable.	Wheth of co workin	ner quality ompaction nanship is	Whether Shoulder being constructed simultaneously
9. C	Pbservations - RD of observation	Quality of S Thickness of layer in	houlders: Whether quality of the material is Acceptable. (Y/N)	Wheth of co workin	ner quality ompaction nanship is	Whether Shoulder being constructed simultaneously with sub-base and
9. C	Observations -	Quality of S Thickness of layer in	Whether quality of the material is Acceptable.	Wheth of co workin	ner quality ompaction nanship is	Whether Shoulder being constructed simultaneously with sub-base and
9. C	Pbservations - RD of observation	Quality of S Thickness of layer in	houlders: Whether quality of the material is Acceptable. (Y/N)	Wheth of co workin	ner quality ompaction nanship is	Whether Shoulder being constructed simultaneously with sub-base and
9. O	Pbservations - RD of observation	Quality of S Thickness of layer in	houlders: Whether quality of the material is Acceptable. (Y/N)	Wheth of co workin	ner quality ompaction nanship is	Whether Shoulder being constructed simultaneously with sub-base and
9. O	Pbservations - RD of observation	Quality of S Thickness of layer in	houlders: Whether quality of the material is Acceptable. (Y/N)	Wheth of co workin	ner quality ompaction nanship is	Whether Shoulder being constructed simultaneously with sub-base and

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

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)
		N. A		
		· 11 -1, · .	29 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	2 to 3

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

#	Reference of	RD at	Thi	ckness	General	General
	RDs, CC/SR Pavements Provided.	which observation on made.	Thickness in mm	Acceptable (Y/N)	quality of material is Acceptable.	quality of workmanship acceptable(Y/ N)
			NA.			
						. 2

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B 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		 	

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

V	Yes	No	
	Yes	No	
	Yes	No	

Yes

) on

work on WBM level

provement:			

- 14. 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 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).

15. Other 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.

ite	m of work is given below.			Awarded
#	Sub Item for Observation	Stage of Work	Awardable Grades	Grades
H	2		4	5
Ļ		tting Out and Working Dra		
a	Bench Mark and Centre Line	All Stages	S/SRI/U	S
b	Availability of Working Drawing	All Stages	S/SRI/U	٤
		Item Grade	s/SRI/U	S
	Item 2 –	Site Clearance and Grubbin	ıg	
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	
	Item :	3 - Quality Arrangements		•
a	Quality Arrangements	All Stages	S/SRI/U	3
b	Number of Mandatory Tests as per prescribed frequency	All Stages	S/SRI/U	S
с	Maintenance of QC Registers	All Stages	S/SRI/U	S
_		Item Grade	S/SRI/U	S
	I	tem 4 – Geometrics		
a	Road way width	2 per Km in every inspection	S/U	3
b	Carriageway width	2 per Km in every inspection	S/U	2
c	Camber	2 per km	S/U	S
d	Super-elevation & Extra Widening at Curves	I curve in each km	S/U	5
_		Item Grade	S/U	2
\neg	Item 5A - Earth Work a	and Sub-grade in Embankm	ent/ Cutting	
a	Quality of Material for Embankment/ Sub-grade	In Stage-I, 1 per km/ In Stage- II or III, 1 per km	S/U	S
b	Compaction	In Stage-I, 2 per km/ In Stage- II or III, 2 per km	S/U	2
с	Side Slopes and Profile	2 per km in Stage III	S/U	
				S

		Item 5B - Earth Work in	Cutting in Hilly/ Rolling T	errain errain	10
		bility and Workmanship of t Slopes cr	tage I and II, at 2 ritical locations with naximum height of utting in each km	S/U	-
,	Ad	lequacy of Slope Protection A	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	- 1	
d	and fairly repre		Stage II/III - 1 critical and fairly representative stretch of 200m in each Km	S/U	-
_			Item Grade	S/U	1
		1		1 =125	
	T	Quality of Material			
_	+		In Stage- II or III, 1 per	S/U	ڪ
a	+		km	S/U	•
b	+	Plasticity	In Stage- II or III, 1 per	S/U	\$
c		Compaction Total Thickness of Layer	2 per Km	S/U	S
d		Total Timekitess of Eage.	S/U	S	
-		Item 7 - Base C	Course – Water Bound Mac	adam	
-	a	Grain Size of Course Aggregate		S/U	
	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	
-	c	Volumetric Analysis for assessment of compaction of WBM	In Stage- II or III, 1 per km	S/U	:
-	d	Surface Evenness using straight edge	In completed WBM 2 tests per km	S/U	
-	_	Thickness of every layer of WBM.	2 per Km	S/U	\$
	e	THICKINGS OF COST J 187	Item Grade	S/U	3

Γ	Item 8 - Bituminous Layer	– Premix Carpet (PMC)/ Sur	rface Dressing	(SD)
а	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	I observation on the day of inspection	S/U	10.7 Km2
c	Gradation Test for Course Aggregate (if the work in the item is ongoing)/visual observation in case of completed item of work	I 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)	1 test on the day of inspection	S/U	
e	Bitumen Extraction Test if PMC is complete	I test per Km	S/U	
ſ	Thickness of layer	2 per Km	S/U	
g	Surface Evenness in case of completed BT work	2 per Km	S/U	
	to the second second	Item Grade	S/U	
7		Item 9 – Shoulders		(8.1
	Quality of material for shoulders	In Stage- II or III, 1 test per Km	S/SRI/U	2
4	Degree of compaction	In Stage- II or III, 1 test per Km	S/SRI/U	
_	Thickness of layer	In Stage- II or III, 2 tests per km	S/SRI/U	
_	Grade Company		S/SRI/U	\$
\top	em 10 - Cross Drainage Works – (Causeways of all spans span.	and Culverts	upto 6 m.
p	ipes including size etc.	All Stages	S/SRI/U	4.5 ***
	Puality of Workmanship such is positioning of pipes, wing alls, cushion over H Pipes c.	All Stages	S/SRI/U	* - 1

_	-	tem 8 - Bituminous Layer – Prei	mix Carnet (PMC)/ Surface I	Dressing (SD)
\neg		vel of cleanliness of WBM	January Strategy	
	sur	face prior to application of uminous layer	1 per Km	S/U
o	Co	uality of Prime Coat/ Tack out with respect to quality of aterial and workmanship	1 observation on he day of inspection	S/U
c	A it o	radation Test for Course ggregate (if the work in the em is ongoing)/visual bservation in case of ompleted item of work	I test on the day of inspection	S/U
d	t	Grade of bitumen and emperature 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 text per Km	S/U
f	+	Thickness of layer	2/per Km	S/U
g	1	Surface Evenness in case of completed BT work	2 per Km	S/U
+		Compress	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
-	b	Degree of compaction	In Stage- II or III, 1 test per Km	S/SRI/U
-	c	Thickness of layer	In Stage- II or III, 2 tests per km	S/SRI/U
-	_	Cundu		S/SRI/U
-	ite	Item 10 - Cross Drainage Works	 Causeways of all spans span. 	and Culverts upto 6 m.
	а	Quality of Material – Concrete, Stone/ brick masonry, Hume pipes including fize etc.	All Stages	S/SRI/U
	b	Quality of Workmanship such as positioning of pipes, wing walls, cushion over H Pipes etc.	All Stages	S/SRI/U
	-	1	Item Grade	S/SRI/U

	Item 11 - Side Dr	ain and Catch Water Drain		Γ
10	General quality of Side Drains/ Catch Water Drains and their integration with CDs.	All Stages	S/SRI/U	
		Item Grade	S/SRI/U	
	Item 12 - CC/ Semi Rigid Pa	evements and Associated Pu	kka Drains	
	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	toad Furniture and Marking	gs	
а	Citizen Information Board, Main Informatory Board, Quality and whether fixed during construction.	Stage-I	S/U	
t	Logo boards, 200 m stones and Km stones, quality and whether fixed after completion.	Stage-III	S/U	
	Whether the information in boards is given in local language.	Stage-I and III	S/U	
1	- Art	Item Gra	de S/U	

17. Overall Grading of Work: The overall grading calculated on the basis of item and subitem 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	3
Item No 4	Geometrics	4
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	ی
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	-
	Overall Grading	S

Signature:

Name: (Raw Rafey Rem)

Date: