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

GENERAL:	Work is Ongoing C	Completed
1.1. Date of Inspection:	DD MM YY 28/12	2/2018
1.2. Name of State Quality N 1.3. District: KATSHAR	121041117	kuman Roy
1.4. Name of Road: From		to GUNI TOLA
= Total ?:76 l.Km	Pavement,Km. CC/other l	1.1.01
1.7. Estimated Cost (As cleared	ed by GOI): Rs.	
1.8. Technical Sanction Cost	t: Rs. 44.	91 Lakh
1.9. The Work is a Case of:	New connectivity Up	gradation
1.10. Terrain Plain	n Rolling Hilly	
1.11. Date of Start of the Work	25 02	18
1.12. Stipulated Date of Compl	letion: 24 02 1	19
1.13. Actual Date of Completi	ion (if work completed):	
2. PHYSICAL PROGRES Programme and Physical Progre	SS: (In case of On going work ess:	s only) Construction

Item	Completed percentage of Item	Dates for completion	Start Date	Completion Date	Delay in Months
Earth Work	100%	Due		- Feb. 186	1.75
	100%	Actual			
CD Works	100%	Due	Fr.		
	100/9	Actual			
Sub base i/c	100 %	Due			
Shoulders	100/0	Actual	in the same		
Base Course (Non	100 %	Due			
Bitu.)	100 %	Actual		t in the	
Base /Wearing	₩95%	Due		المراجعة والمناف	
Course (Bitu.)	20 30 %	Actual			
CC Pavement	NA	Due			
A		Actual	4 2 114		
Signage etc	100%	Due			
1	- 010	Actual		7	

3.	QUALITY CONTROL
	Colored COMINGE

3.1. Location of Field Laboratory:

AT SITE

3.2. Quality Control Register Part-1 is maintained by:

By Contractore

3.3. Quality Control Register Part-II is maintained by:

P.C.U

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
		strated a second		
		San and Land		
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		Det in 1988.	High and the party of a second	Transference of the Residence
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	100	The second of	settlement to a sufficient to	
	1.50	Ola, 7	Paris Marky	
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I seems a special		- Francol
		28.12.18
me and Sig	nature of th	e 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	Ш

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

#	Whether Bench marks @ 4 per km established (YN)	Exact Locations of the Bench Marks		Whether properly prepared Working Drawing for the work under progress is available (Y/N)
	4			
Su	ggestions for in	mprovement:	f this item is graded SRI/U, w	
	e Sang Sang pang di Sang	the state of the s		
2.	SITE CLI	EARANCE AND	GRUBBING: For Stage I of	Work

#	Grubbing being done as per DPR and Material obtained is	available from scarifying existing work or clearing operations	Name the reusable material obtainable from clearance or scarification and indicate approximate quantity and its re-use by the PIU.
	Y		

	8 SRI U	If this item is graded SRI/U, write clear reason	ons and
suggestions for	improvement:		1.
		ک	
	promotion for a	The second secon	

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)
	JO Y	7	7

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	Zamittey Italic of		No. of Tests required		No. of Tests Conducted by PIU/Contractor	
_	4						
			exercised with a second	4		3 3 3 4 4 4 4 4	
-	A STATE OF THE STA	1 100 4 9	7.00	4.00	199	- 184 cm	
					-	7	
#	Based on exe quantities whether mandatory conducted. Yes Partly N	all I mai tests provi	ther QC Register ntained as per isions.	Part	II mainta results m provision	QC Register Part ined and test onitored as per as.	
	7		16			7	
Gı	rading: Grade: 8	RI U If	this item is grade	ed SRI/U	J, write clea	ar reasons and	
su	ggestions for impro	vement:				14 - 1 - 1 22 2	
			Y	Marine Control			

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 %
0.200	612	3:25	29		·		
	7						

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)
7	110				
	-		whether the state of		
3					

Grade: 8 U improvement:	If this item is graded U, write clear reasons and suggestions for
improvement:	
	. ` c'
	는 경우 마르마 아이들이 가는 것이 되었다. 그 사람들은 것이 되었다.

5. OBSERVATIONS REGARDING THE QUALITY OF ITEMS OF WORKS. 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)
7.5	to versa and o		
To a dealer		- 44	
	* * - *		
	, salaran i en i ji		nated a statement of a second
schoo -		A company of the comp	The state of the s

	rade: ggestions fo	or improveme	ent:	is graded U, write	clear reasons and	F V V
os	ervation –V	Vorkmanshi	p for Embank	ment and Sub-gr	ade Construction	on:
#	Location	MDD KN/	m³ Field	T De	gree of Compac	tion
"	(RD)	(As per record)	Moistur	e Field Density	Dry Density KN/m ³	Compaction adequate. (Y/N)
1	205	1-68	11.	es a service	e e e e e e e e e e e e e e e e e e e	Tris
		i jacob i	****	the second section and the second	A CAN DE LA PROPERTIE DE LA CONTRACTION DE LA CO	the state of the s
4			elegis de la colònia			10 1 p 3 p
- 1			Page 1 age 2 de des	A second second	e en de la company	and the second of the second o
+			- 184 C 1875			
	adę: 8	U If this	item is graded	U, write clear reaso	ons and suggestion	ons for
	rade: 8 provement:	U If this	item is graded	U, write clear reasons	ons and suggestic	ons for
im	provement:	Side slopes a	nd profile:	S'		
bs	provement:	Side slopes a	•	Slopes	Whether profi	le is
bs	ervation – S	Side slopes a	nd profile: Whether Side S	Slopes	Whether profi	le is
bs	ervation – S	Side slopes a	nd profile: Whether Side S	Slopes	Whether profi	le is
bs	ervation – S	Side slopes a	nd profile: Whether Side S	Slopes	Whether profi	le is

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

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

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
	ALA				

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

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.	Observed Thickness of Layer (in mm)	Prescribed Thickness provided (Y/N)
	205	Y	-	Y	200	Y
					4	
		. Chara			J. 5	
1	1 + 1			200		

#	Location (RD)	Cut Slopes whether app stable. (Y/N	& Profile, pears to be	Adequate protection executed. (Y/N	slope works	Formation is dressed and worthy. (Y/N)		proper traffic
				- 6		Sec. 18	- 1	
								7
	vations - Lo	Longitudinal (case of road in hi		ng terrain Longitu		S/I
RD.	& RD	Gradi	ent	RD& RD		Gradi	ent	
	1.5.4		THE RESERVE		- 16-4 		117	
	*			1/		i ba		1 5
2								
	-Base: C	rality of Mat	erial and Wo	orkmanship:				
			Suitable	What	-		ties of	
	Location (RD)	Confirms to Grading. (Y/N)	from plasticity angle. (Y/N)	Whether compaction is adequate. (Y/N)	Obse Thick of L (in n	kness ayer	Thick provi	ded
	TANGER OF THE PROPERTY OF THE	to Grading.	plasticity angle.	compaction is adequate.	Thick of L	kness ayer nm)	Thick provi	iness ded

38

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.):

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

#	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)
3		. —			mints. (1714)
y .	September 1994	1	. 6.1		
	(A) (A)	WEAK	The Contract of the Contract o		
	2			ASS	* * * *
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				n in Krigade Na sanan	

	o II this	item is graded	U, write clear re	easons ar	nd suggestion	s for improvement:	
					7 10 53.	Harris and the	

01			2 - 1			A CONTRACTOR OF THE CONTRACTOR	
Obs #	ervations - W	orkmanship	of BT layer PM	IC/BM/	MPM (in cas	se of completed wor	
- "	(RD)	Thickness in	hickness		Whether	surface evenness is	
	(100)	mm	Whether thic		Within acc	ceptable limits. (Y/N	
	200		is adequate.	(Y/N)			
-	200	0.021	+			Υ	
					z 1 / a		
	The statement of the						
0	14						
					2.4		
			AND AND PROPERTY OF THE PARTY O				
Grad	de: S U	If this item	is graded II wri	te clear	reasons and s	uggestions for	
		If this item	is graded U, wri	te clear	reasons and s	uggestions for	
	de: S U	If this item	is graded U, wri	te clear	reasons and s	auggestions for	
		If this item	is graded U, wri	te clear	reasons and s	uggestions for	
		If this item	is graded U, wri	te clear	reasons and s	auggestions for	
		If this item	is graded U, wri	te clear	reasons and s	uggestions for	
impr	ovement:		`s'	te clear	reasons and s	auggestions for	
impr	ovement:	If this item	`s'	te clear	reasons and s	auggestions for	
impr	ovement:		`s'		as a second		
9. O	ovement: bservations -	Quality of Si	oulders: Whether quality of the	Wheth	ner quality	Whether Shoulde	
9. O	bservations -	Quality of Si	oulders: Whether quality of the material is	Wheth of co	ner quality ompaction nanship is	Whether Shoulder	
9. O	bservations -	Quality of Si Thickness of layer in	Whether quality of the material is Acceptable.	Wheth of co	ner quality	Whether Shoulder being constructed	
9. O	bservations -	Quality of Si Thickness of layer in	oulders: Whether quality of the material is	Wheth of co	ner quality ompaction nanship is	Whether Shoulder being constructed simultaneously	
9. O	bservations -	Quality of Si Thickness of layer in mm	Whether quality of the material is Acceptable.	Wheth of co works accept	ner quality ompaction nanship is	Whether Shoulded being constructed simultaneously with sub-base and	
9. O	bservations -	Quality of Si Thickness of layer in	Whether quality of the material is Acceptable.	Wheth of co works accept	ner quality ompaction nanship is	Whether Shoulded being constructed simultaneously with sub-base and	

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)
4	4 313	3 lab 2×2	Υ	7

Grade: 8 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/Catchwater drains is Acceptable.(Y/N)	Are intregrated to cross drains. (Y/N)
F	as I says	N		The second of th
il i _{jen}	CC/ Somi Dista	and the state of	and the second second second second	

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

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

Grade: S U If this item is graded U, write clear reasons and suggestions for mprovement:		and the	
approvement:			
nprovement:			
nprovement:			
approvement:			
nprovement:	e Major Legis		
nprovement:		The same of the Land	
nprovement:		*2.	
approvement:			
approvement:		T	
- NA -		If this item is graded U, write of	clear reasons and suggestions f
		If this item is graded U, write o	clear reasons and suggestions for
			clear reasons and suggestions f
			clear reasons and suggestions f
			clear reasons and suggestions f
			clear reasons and suggestions f
			clear reasons and suggestions f
Road Furniture and Markings	Road Furniture	And Markings	
	mprovement:	And Markings	
Observations - Item No. 14 a: Quality Road Furniture and Markings:	Road Furniture Observations - Item	and Markings No. 14 a: Quality Road Furniture	
Observations - Item No. 14 a: Quality Road Furniture and Markings:	Road Furniture Observations - Item Main Informatory Bo	and Markings No. 14 a: Quality Road Furniture ard Fixed:	

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

		1	
1	Yes	No	
\	Yes	No	
	Yes	No	
	Yes	No	
	Yes	No	

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

S

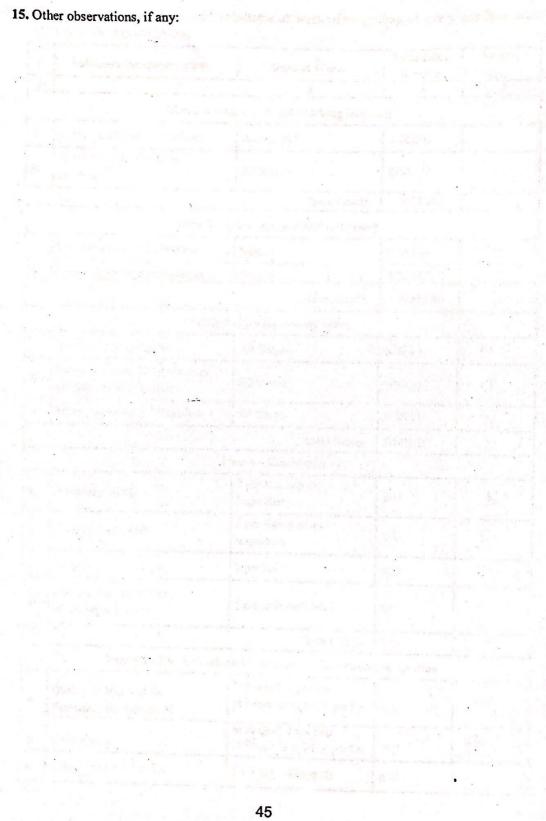
- 14. General Observations of SQM, (including the observations made during the interaction with PIU staff and Contractor's/ Consultant's Engineers):
 - 14.1. Observations about deficiency in project preparation (Give detailed observations about deficiencies in general and items which have been left but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



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

#	oub item for Observation	Stage of Work	Awardable Grades	Awarded Grades
1	2	3	4	5
	Item 1 - Se	tting Out and Working Drawi	ng	
a	Bench Mark and Centre Line	All Stages	S/SRI/U	7
b	Availability of Working Drawing	All Stages	S/SRI/U	_
		Item Grade	S/SRI/U	S
	Item 2 –	Site Clearance and Grubbing	P-65-47	
a	Site Clearance and Grubbing Stage-I		S/SRI/U	4
b	Re-use of Salvageable Material	Stage-I	S/SRI/U	-
	22.	Item Grade	S/SRI/U	٤
	Item	3 - Quality Arrangements		
a	Quality Arrangements	All Stages	S/SRI/U	N
b	Number of Mandatory Tests as per prescribed frequency	All Stages	S/SRI/U	7
c	Maintenance of QC Registers	All Stages	S/SRI/U	٧
		Item Grade	S/SRI/U	3,
		Item 4 – Geometrics		
a	Road way width	2 per Km in every inspection	S/U	S
b	Carriageway width	2 per Km in every inspection	S/U	2
c	Camber	2 per km	S/U	2
d	Super-elevation & Extra Widening at Curves	1 curve in each km	S/U	2
		Item Grade	S/U	9
	Item 5A - Earth Work	and Sub-grade in Embankm	ent/ Cutting	
1	Quality of Material for Embankment/ Sub-grade	In Stage-I, 1 per km/ In Stage- II or III, 1 per km	S/U	
)	Compaction	In Stage-I, 2 per km/ In Stage- II or III, 2 per km	S/U	بح
	Side Slopes and Profile	2 per km in Stage III	S/U	

	Item 5B - Earth Work	in Cutting in Hilly/ Rolling	Terrain	1
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	
)	Adequacy of Slope Protection	All Stages - In general	S/U	
3	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	
l	Longitudinal Gradient	Stage II/III - 1 critical and fairly representative stretch of 200m in each Km	S/U	
		Item Grade	S/U	1
		Item 6 - Sub-Base		1
	Quality of Material	T. Para and T. C.		
a	Grain Size	In Stage- II or III, 1 per km	S/U	\$
)	Plasticity		S/U	
2	Compaction	In Stage- II or III, 1 per km	S/U	\$
d	Total Thickness of Layer	2 per Km	S/U	3
7		Item Grade	S/U	S
1 0	Item 7 - Base C	Course – Water Bound Maca	lam	
a	Grain Size of Course Aggregate		S/U	2
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	and the
c	Volumetric Analysis for assessment of compaction of WBM	In Stage- II or III, 1 per km	S/U	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
d :	Surface Evenness using straight edge	In completed WBM 2 tests per km	S/U	3
В	Thickness of every layer of WBM.	2 per Km	S/U	S
		Item Grade	S/U	٠٠۶

	Item 8 - Bituminous Layer – l	Premix Carpet (PMC)/ Surfac	e Dressing (SD))
a	Level of cleanliness of WBM surface prior to application of bituminous layer	l 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	_
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	_
đ	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	S/U	S
g	Surface Evenness in case of completed BT work	2 per Km	S/U	2
V	and the second second	Item Grade	S/U	5
		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	
Ite	m Grade		S/SRI/U	1
T Salar	Item 10 - Cross Drainage Works -	- Causeways of all spans span.	and Culverts	upto 6 m.
a	Quality of Material – Concrete, Stone/ brick masonry, Hume pipes including size etc.	All Stages	S/SRI/U	3
b	Quality of Workmanship such as positioning of pipes, wing walls, cushion over H Pipes etc.	All Stages	S/SRI/U	-

	Item 8 - Bituminous Layer – P	remix Carpet (PMC)/ Surface	Dressing (SD	·
1	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	
e	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) I test on the day of inspection		S/U	
e	Bitumen Extraction Test if PMC is complete	I tank man V ma		
f	Thickness of layer	2 per Km	\$/U	Kapat Balan
g	Surface Evenness in case of completed BT work	2 per Km	s/U	
1-0		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	N. C. W.
c	Thickness of layer	In Stage- II or III, 2 tests per km	S/SRI/U	1
Ite	m Grade		S/SRI/U	
	Item 10 - Cross Drainage Works -	Causeways of all spans	and Culverts	upto 6 m.
a	Quality of Material – Concrete, Stone/ brick masonry, Hume pipes including size 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	
		Item Grade	S/SRI/U	•

	Item 11 - Side	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	-
		Item Grade	S/SRI/U	
7	Item 12 - CC/ Semi Rigid	Pavements and Associated Pu	ıkka 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	
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	
	100 miles	Item Grade	S/U	1
	Item 13 - R	oad Furniture and Markings		
a	Citizen Information Board, Main Informatory Board, Quality and whether fixed during construction.	Stage-I	S/U	5
b	Logo boards, 200 m stones and Km stones, quality and whether fixed after completion.	Stage-III	S/U	S
c	Whether the information in boards is given in local language.	Stage-I and III	S/U	S
		. Item Grade	S/U	Q

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

Item No.	Sub Item for Observation	Awarded Grade
Item No 1	Setting Out and Working Drawing	2
Item No 2	Site Clearance and Grubbing	2
Item No 3	Quality Arrangements	2
Item No 4	Geometrics	2
Item No 5 A	Earth Work and Sub-grade in Embankment/ Cutting	5
Item No 5 B	Earth Work in Cutting in Hilly/ Rolling Terrain	
Item No 6	Sub-Base	3
Item No 7	Base Course – Water Bound Macadam	2
Item No 8	Bituminous Layer – Premix Carpet (PMC)/ Surface Dressing (SD)	S
Item No 9	Shoulders	V '
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	2
	Overall Grading	2

Date:

Road Name: To 2 to Guni Tola.

Package No. BR-16R-307

Location: Ch O. 20.5

Date of Test: 228 . 12 - 18

4. Sieve Analysis for WBM -III Materials

Location: Ch. 0.205

Weight of soil sample taken: 10000

gm

I.Ş. Sieve Designation	Wt. of sample Retained (gm)	Percentage of Wt. retained (%)	Cumulative percentage of Wt. retained (%)	Percentage of Wt. Passing (%)	Permissible Value
63 mm	0	0	0	100	100
53 mm	365	3.65	3.65	96.35	95 - 100
45 mm	2380.	23.80	27.45	72.55	65 - 90
22.4 mm /	6422	64.22	91.67	8.33	
11.2 mm	742	7.42	99.09	0.91	0-10
Pan		1975			0-3

5. Sieve Analysis for WBM -II Materials

Location : Ch.

Weight of soil sample taken:

gm

I.S. Sieve Designation	Wt. of sample Retained (gm)	Percentage of Wt. retained (%)	Cumulative percentage of Wt. retained (%)	Percentage of Wt. Passing (%)	Permissible Value
90 mm	lead of the second				100
63 mm	Latin Company	1.5.200.000			90-100
53 mm	() () () () () () () () () ()				25 - 75
45 mm					0 - 15
2.2.4 mm					0-5
Pan'					

6. Sieve Analysis for GSB -II Materials

Location : Ch. Weight of soil sample taken : 10,000 gm

I.S. Sieve Wt. of sample Percentage of Cumulative Percentage of **Permissible** Designation Retained Wt. retained percentage of Wt. Wt. Passing Value (gm) (%) retained (%) (%) 0 53.00 mm 0 0 100 100 2585 26.50 mm 25.85 25.85 50-80 S 5-TS 74.15 4.75 mm 4600 46.00 28.15 15-35 1 . 85 2758 27.58 0.57 0-10 75 µ

(M) 12/190

Johns

Test of field Density of Soil by Core Cutter Method

Date: 28.12.18

Name of Road: 102 to Suul Toola.

Chainage of Sample Test: Km. ... 6 · 20-5 6M

SI.No.	Observation	Giro milita mili
1.	Volume of Core Cutter (V.) cc	Qty. with unit
2.		
	Weight of empty core cutter (W) gm	gm
3.	Weight of core cutter + wet soil(W1)gm	3.036gm
4.	Weight of wet soil (W2) gm	gm
5.	Bulk Density of soil Yb=(W2/v)	gm per co
6.	Moisture Content by moisture meter x%	1.0.0.%
7.	Modified moisture content as caliberated 2%	0/// %
8.	Dry Density= (100/100+Z) x Yb	gm per c
9.	M.D.D. as per QC Register	gm per c
10.	Result whether dry density conforms to MDD.	Yes or No Yes.
11.	Remark	

(Sign of contractor or his representative) (J.E.)

(A.E.)

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(Ex.Engr)

NQM