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

GENI	ERAL: Work is Ongoing Completed
1.1.	Date of Inspection: DB MM 2018
1,2.	Name of National Quality Monitor: S. K. Singh.
1.3.	State - Re hor District: Vaishalblock: Garaul
1.4.	Name of Road: From Chakia Pakari to Bhikhanbura
1.5. 1.6.	Package No.: BR-36R-24th Length:Km Flexible Pavement, 60 Km. CC/other Pavement 330m.
7.0.	log 30Km
	Estimated Cost (As cleared by GOI): Rs. 39.67 Lakh
1.8.	Technical Sanction Cost: Rs. 43.38 Lakh
1.9.	The Work is a Case of: New connectivity Up gradation
1.10.	Terrain Plain Rolling Hilly
1.11.	Date of Start of the Work: 14 03 18
1.12.	Stipulated Date of Completion: 13 03 19
1.13.	Actual Date of Completion (if work completed):
2.	PHYSICAL PROGRESS: (In case of On going works only) Construction
Progr	amme and Physical Progress:

Item	Completed	Dates for	Start	Completion	Delay in
	percentage of Item	completion	Date	Date	Months
Earth Work	60%	Due			
	007.	Actual			
CD Works	100%	Due			A
	(00/,	Actual		17 17	
Sub base i/c	100%	Due			all I'
Shoulders	(00/1	Actual			
Base Course (Non	100%	Due			1 . 1
Bitu.)	[00].	Actual			
Base /Wearing		Due			
Course (Bitu.)		Actual		in the second states	Taly i
CC Pavement	100%	Due		. 7	
	100%	Actual			
Signage etc	50%	Due			
	/	Actual			

QUALITY CONTROL: 3.

- Location of Field Laboratory: At Chainage Scott.

 Quality Control Register Part-I is maintained by: Contractor
- 3.2.
- Quality Control Register Part-II is maintained by: PIV

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

Inspection by NQMs, SQMs and senior (i.e. SE or CE) departmental officers and action taken

statement:			Action Taken by PIU with
Date of	Inspected	Observations	Date
Visit	Ву		
23-05-18	SBM	651	*
T p		, for	
28-09-18	SBM	15'	
			7 7
			* '
-			
=			
-,	w '	G (200 m)	St.
			J
<u> </u>	-		i de suite de la companya del companya del companya de la companya
A	-		
W 200	V 1		
4	V		
	1		and D

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.)

		Sta	ige of Work:		
1.	SETTING	OUT AND WO	DRKING DRAWING: FO	or 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 accurated established referenced with Marker Pegs and Chaina Boards (Y/N)	prepared W and Drawing for the under progress	roperly Vorking work is
	y		Y	7	
	ading: Grade: ggestions for in		If this item is graded SRI	/U, write clear reasons an	d
2.	SITE CLE		D GRUBBING: <u>For Sta</u>		
#	Grubbing be as per Material	obtained is opposed off	available fro scarifying existing work or clearing operatio	al Name the reusable may obtainable from clears scarification and ind approximate quantity and re-use by the PIU.	ance or icate
		7			
	4.018				
	ding: Grade: gestions for	S SRI U improvement:	If this item is graded SR	U/U, write clear reasons	and

3. QUALITY ARRANGEMENTS AND ATTENTION TO QUALITY - For all stages, 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)
	7	Yes	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. requi	of Tests red	No. of Tests Conducted by PIU/Contractor
	OSC .	7	riskr of	Dard Id	2 \$	20 Viso	(Y)^
						-	

Grading: Grade:	S SRI U If this item is graded SRI/U, write clear reasons and
suggestions for	improvement:
	[[[[[[[[[[[]]]]]]]]]] [[[[[[]]]]]]] [[[[]]]] [[[]]] [[[]]] [[]] [[[]]] [[]] [[]] [[]] [[]] [[]] [[]] [[]] [[]]
	50 시민도 보이 그리고 나는 보니, 남자의 근 시작으로 변경함이 나와 있다는
Partir Land	물리, 김 아이는 중요한 가게 하는 연락을 받는 것 같아. 사람들은 것 같아. 회원 때문

METRICS: The SQM should take at-least two measurements in 1 Km length and if it that the roadway and carriageway is inadequate SQM may take more observations:

ations -Road way width, Carriage way and Camber.

Roadway Width (m)	Carriage way Width (m)	Camber in %	Ref. RD	Roadway Width (m)	Carriage way Width (m)	Camber in %
75m	3.75m	3.0%		A STATE OF THE STA		
510m	27500	3.1%				3
860 m	3-75m	3.0%				

tions - Super-elevation and Extra Widening at curves.

	Super Elevation	Extra Widening provided (Y/N)	Ref. RD	Super Elevation	Extra Widening provided (Y/N)
-					
H, I					
		A. Parker			

: S U	If this item is graded U, write clear rea	asons and suggestions for	
	S		

VATIONS REGARDING THE QUALITY OF ITEMS OF WORK: 5.

ork:

actions -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)
120 m	Sandy Soil	y
120 m	11	×
		/
At June		

				3-		
	Vorkman	ship fo	r Embankn	nent and Sub-gr	ade Constructi	on:
cation	MDD K	N/m^3	Field	De	gree of Compac	+1
RD)	(As p		Moisture	Field Density	Dry Density	Compaction
	recor	rd)	Content	Field Density KN/m ³	Dry Density KN/m ³	adequate.
						(1/11)
1 - 8					-	ر العرب
			/		-	-
		* p=* 12				
				-		
		-		20 4		
				17 1		
SU	If thi	is item	is graded U,	Write clear reaso		
S U	If the	is item	is graded U,	write clear reaso	ns and suggestic	ons for
	If thi	is item	is graded U,	write clear reaso	ons and suggestic	ons for
	If thi	is item	is graded U,	write clear reaso	ns and suggestic	ons for
	If thi	is item	is graded U,	write clear reaso	ons and suggestic	ons for
	If thi	is item	is graded U,	write clear reaso	ons and suggestic	ons for
	If thi	is item	is graded U,	write clear reaso	ons and suggestic	ons for
ement:				write clear reaso	ons and suggestic	ons for
tion – Sic	de slopes			write clear reaso	ens and suggestic	ons for
ement:	de slopes	and pr	ofile:			
tion – Sic	de slopes	and pr	ofile:	pes	Whether profile	e is
tion – Sic	de slopes	and pr	ofile:	pes		e is
tion – Sic	de slopes	and pr	ofile:	pes	Whether profile	e is
tion – Sic	de slopes	and pr	ofile:	pes	Whether profile	e is
tion – Sic	de slopes	and pr	ofile:	pes	Whether profile	e is

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

72	Location (RD)	Cut Slopes & Profile, whether appears to be stable. (Y/N)	Adequate protection executed. (Y/N)	works	Formation dressed worthy. (Y	and	properly traffic
- 101 							
		MA					

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
6 / L		/			
N=1					
			a - 01, 25		

Grade: S U If this item is graded U, write clear reasons a improvement:	and sugge	stions	for	
MA				
				PA-

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)
	520 m	Y	Y	7	101m	7
	810m	7	7	X	100 m	×
	36			4 7 7 8		
	A I		Transition of the second			

-							
-							*
			- S				
-							
-							
		1					
	ase Courses servations-	: Quality of M	aterial and	Workmansh	ip of WBM:		
			T1: 1.		Filter Meterial		Whether
		Thickness of	Thickness is	Aggregate	is non-plastic	Volume of Filter	adequate
		Each layer of		confirms to Grading.	to Desired extent.	Meterial Percent	done.
	Location (RD)	WBM.	(Y/N)			of course	
		(Y/N)		(Y/N)	(Y/N)	aggregate	(Y/N)
	220m	76mm 7 77mm7	7	7	7		7
-	850m	77mmy	7	Y	Y		7
		· ·					1
				-			
							1
	Observation	ns- Surface	evenness:	Curfage aven		200	
		ompleted WB	M:	Surface even	mess in about 2	200 m critical rep	resentative
			51.00	Surface	e		
			Ever	1 - 1			
	mit nati kasuminik eterdekana deskusene						
G	rade: S	U	If this item	is graded U, v	write clear reas	ons and suggestion	ns for
ir	nprovement						
				- C			
2	1 3/					-1	Maria In
							7 20
		also patients of					
							The law is
8						BM/ MPM etc ship of BT Lay	
						C TATEL Y	

#	Location (RD)	Thickness in mm	Whether thickness	Whether surface evennes Within acceptable limits. (
			is adequate, (Y/N)	ted	1
			not let Ete		
				Tail of the	
	de: S U	If this iter	n is graded U, write cle	ar reasons and suggestions fo	or
				•	

9. Observations - Quality of Shoulders:

#	RD of observation	Thickness of layer in mm	Whether quality of the material is Acceptable. (Y/N)	Whether quality of compaction workmanship is acceptable.(Y/N)	Whether Shoulders being constructed simultaneously with sub-base and base course (Y/N)
			- 5 DYOS	ress	
		Nex	1000		
	to the				
		90.0 +0			

10.	Cross Drai	nage Works: C)bservations	- Quality of CI	whether	quality
#	RD at which CD is locate	Type of C		rial is acceptable	e. workma	nship ble. (Y/N)
	920 m	1×1600m	A .	7	7	
	120	HPC				
	c cpi	II If this its	em is graded	SRI/U, write	clear reasons an	nd suggestions for
1	provement:	U II uns ne	(
-	- y		<i>></i>			
	Side Drains	and Catch wa	ter Drains: (Observations:		
#	Raference	Type of C	CD Whet	ther quality of the	workman	quality on the same of the sam
	 	aida Whiah	Of th	e Side drains/0	Tatch-	
	RDs where	4			The state of the s	regrated to
-	RDs where drain Constructed	Observati	on water		is Are int	regrated to ins. (Y/N)
	drain	Observati	on water	drains	is Are int	
	drain	Observati	on water Acce	drains	is Are int	
C	drain Constructed	Observati made.	on water Acce	drains ptable.(Y/N)	is Are int	
	drain Constructed	Observati made.	on water Acce	drains ptable.(Y/N)	is Are into	
# R	drain Constructed C/ Semi-Rig	Observati made.	on water Acce	drains ptable.(Y/N) ssociated Pucc	a Side Drains: General quality material Acceptable.	General of quality is workmanship
# R	drain Constructed C/ Semi-Rig eference of Ds, CC/SR avements	id (SR) Paven RD at which observation	nents and A Thi	ssociated Puccickness Acceptable (Y/N)	is Are introduction of the cross drawn of the cross	General of quality is workmanship

	lacy of face/main				
LUCAS SALVES					
				6.1%	
	-/				
Frade: S U	If this item is gra	ded U, write c	lear reasons an	d suggestions f	for
nprovement:					
	C		_		
		The state of the s		9	
		-		-	
Road Furniture an	ad Markings				
Observations - Item N	No. 14 a: Ouality F	Road Furnitur	e and Marki	ngs:	
Opport and a second			1.1	ANT Steps, A	
·		Yes No	Sharp March		
		I Vac I No			
	oard Fixed:	Yes No	_		
	oard Fixed:	105 140	- 8 104 11 m 4 10		, T . T
Citizen Information Bo	oard Fixed: If this item is gr		clear reasons	and suggestion	s for
Citizen Information Bo Grade: S U			clear reasons	and suggestion	s for
Citizen Information Bo			clear reasons	and suggestion	s for
Citizen Information Bo Grade: S U			clear reasons	and suggestion	s for
Grade 2			clear reasons	and suggestion	s for
Citizen Information Bo Grade: S U			clear reasons	and suggestion	s for

Observations - Quality Road Furniture and Marking 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	Yes No Yes No Yes No Yes No Yes No
Grade: S U If this item is graded U, write c improvement:	lear reasons and suggestions for

- 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):

No deficiony

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:

In progress

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):

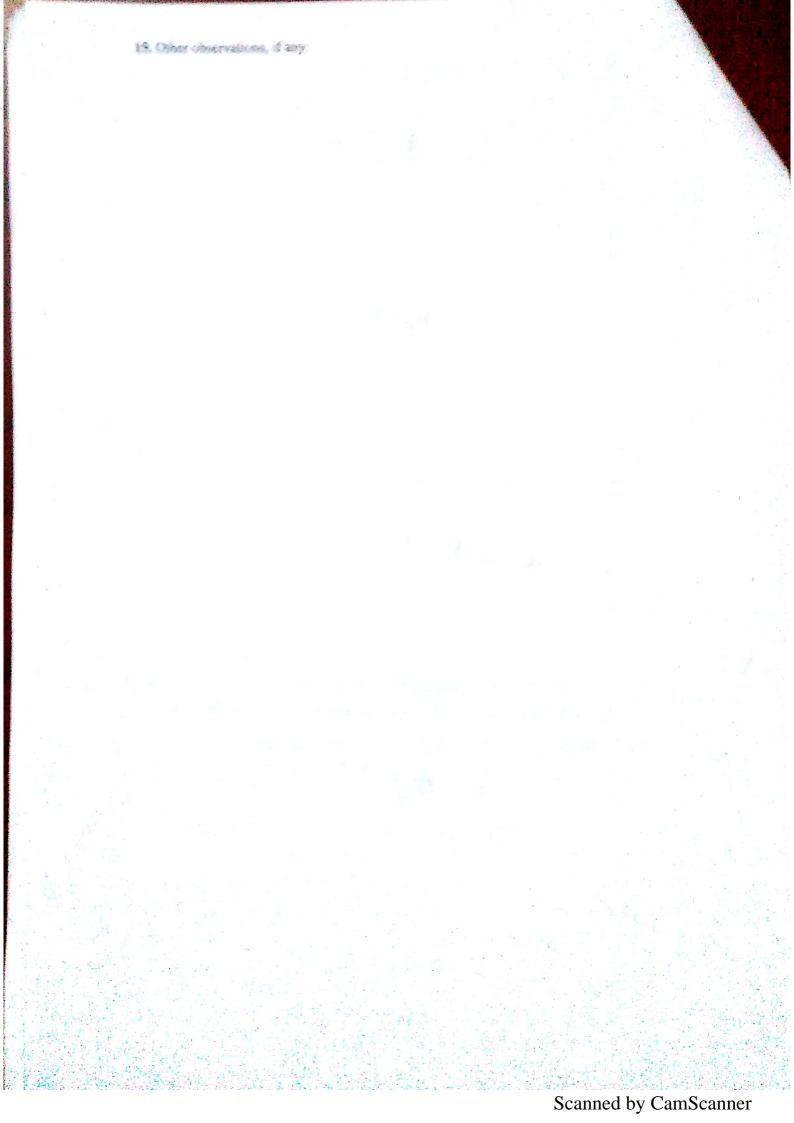
In progress

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).

observation 651

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).

No Any.



#	Sub Item for Observation	Stage of Work	Awardable Grades	Awarded Grades
1	2	3	4	5
J	Item 1 – Se	tting Out and Working Draw	ing	
а	Bench Mark and Centre Line	All Stages	S/SRI/U	_S
b	Availability of Working Drawing	All Stages	S/SRI/U	5
		Item Grade	S/SRI/U	3
	Item 2 –	Site Clearance and Grubbing		
a	Site Clearance and Grubbing	Stage-I	S/SRI/U	5
		Stage-I	S/SRI/U	3
b	Re-use of Salvageable Material	Item Grade	S/SRI/U	5
,	Itom	3 - Quality Arrangements		4.3
		All Stages	S/SRI/U	5
a	Quality Arrangements	All Stages		0
b	Number of Mandatory Tests as per prescribed frequency	All Stages	S/SRI/U	<u>S</u>
c	Maintenance of QC Registers	All Stages	S/SRI/U	5
_	2 0	Item Grade	s/sri/U	<u>ع</u>
-		tem 4 – Geometrics		1 -
a	Road way width	2 per Km in every inspection	s/U	5
b	Carriageway width	2 per Km in every inspection	S/U	S
c	Camber	2 per km	S/U	3
d	Super-elevation & Extra Widening at Curves	1 curve in each km	S/U	111
	11 2-11-10	Item Grade	S/U	S

b	Number of Mandatory Tests as per prescribed frequency	All Stages	S/SRI/U	5'
c	Maintenance of QC Registers	All Stages	S/SRI/U	5
_	Widintenance of Q 2 2 3	Item Grade	s/sri/U	3
		Item 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	5
	Camber	2 per km	S/U	3
d	Super-elevation & Extra	1 curve in each km	S/U	
_	Widening at Curves	Item Grade	S/U	S
	Town 5A Forth Work	and Sub-grade in Embankm	ent/ Cutting	4.
a	Quality of Material for Embankment/ Sub-grade	In Stage-I, 1 per km/ In Stage- II or III, 1 per km	S/U	3
,	Compaction	In Stage-I, 2 per km/ In Stage- II or III, 2 per	S/U	S
	(20)	2 per km in Stage III	S/U	3

nga di Salah	Farth Wor	k in Cutting in Hilly/ Rolling	Terrain	
ı	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	
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	You
d	Longitudinal Gradient	Stage II/III - 1 critical and fairly representative stretch of 200m in each Km	S/U	
		Item Grade	S/U	21 L
		Item 6 - Sub-Base		
	Quality of Material			
a	Grain Size	In Stage- II or III, 1 per	S/U	3
b	Plasticity	km	S/U	3
с	Compaction	In Stage- II or III, 1 per km	S/U	3
d	Total Thickness of Layer	2 per Km	S/U	5
		Item Grade	S/U	3
	Item 7 - Bas	e Course – Water Bound Maca	dam	
a	Grain Size of Course Aggregate	I. C.	S/U	3
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	3
0	Thickness of every layer of WBM.	2 per Km	S/U	3

	Item 8 - Bituminous Layer - P	remix Carpet (PMC)/ Surfac	e Dressing (SD)
	Level of cleanliness of WBM surface prior to application of bituminous layer	1 per Km	S/U	1
)	Quality of Prime Coat/ Tack Coat with respect to quality of material and workmanship	1 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	1 test on the day of inspection	S/U	NA
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	1 test per Km	S/U	
f	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		. 30
a	Quality of material for shoulders	In Stage- II or III, 1 test per Km	S/SRI/U	- 1
b	Degree of compaction	In Stage- II or III, 1 test per Km	S/SRI/U	of of
c	Thickness of layer	In Stage- II or III, 2 tests per km	S/SRI/U	2
-	em Grade		S/SRI/U	4
-	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	5
4		Item Grade	S/SRI/U	3

Year 11 Cide Drain and Catch	ater Diag	-
General quality of Side Drains/ Catch Water Drains and their All Stages	s/sri/U	
integration with CDs. Item	Grade S/SRI/U	
Item 12 - CC/ Semi Rigid Pavements and Asso	ciated Pukka Drains	
Quality of Material – Concrete, Stone/ Concrete Block Pavement etc. In Stage- II or III, 1 100 m. Length of Pavement		3
Strength of CC in Concrete Pavement/ Concrete Block Pavement In Stage- II or III,1 100 m. Length of Pavement	per S/U	S
Quality of Workmanship – Wearing surface texture, Adequacy of setting of concrete, Joints, Edges etc. In Stage- II or III	S/U	3
d Thickness of Layer In Stage- II or III, 1 100 m. Length of Pavement	per S/U	S
Item (Grade S/U	_8
Item 13 - Road Furniture and Ma	arkings	
a Citizen Information Board, Main Informatory Board, Quality and whether fixed during construction. Citizen Information Board, Stage-I	S/U	5
b 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 Stage-I and III language.	S/U	5
	Grade S/U	0

#	Sub Item for Observation	Stage of Work	Awardable Grades	Awarded Grades
1	2	3	4	5
	Item 1 – Set	tting Out and Working Drawi	ng	
a	Bench Mark and Centre Line	All Stages	S/SRI/U	S
b	Availability of Working Drawing	All Stages	S/SRI/U	5
		Item Grade	S/SRI/U	3
-	Item 2 –	Site Clearance and Grubbing		1
a	Site Clearance and Grubbing	Stage-I	S/SRI/U	9
b	Re-use of Salvageable Material	Stage-I	S/SRI/U	9
	The-use of Salvageable Material	Item Grade	S/SRI/U	9
	Item	3 - Quality Arrangements	Y"	
a	Quality Arrangements	All Stages	S/SRI/U	5
b	Number of Mandatory Tests as per prescribed frequency	All Stages	S/SRI/U	5
c	Maintenance of QC Registers	All Stages	S/SRI/U	5
_	The state of the s	Item Grade	S/SRI/U	5
		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	S
c	Camber	2 per km	S/U	3
d	Super-elevation & Extra Widening at Curves	1 curve in each km	S/U	5
2 17	1. 8	Item Grade	S/U	5
	Item 5A - Earth Work	and Sub-grade in Embankn	nent/ 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	5
b	Compaction	In Stage-I, 2 per km/ In Stage- II or III, 2 per km	S/U	2
			A La Company	

		in Hilly/ Rolling To	LL MIN	Approve and provident papers of the
1	Item 5B - Earth Work	in Cutting in Hilly/ Rolling To		
a	Stability and Workmanship of Cut Slopes	Stage Land III	S/U	- f
	CAL MANAGEMENT	The state of the s		
b	Adequacy of Slope Protection	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	*
d	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		
	Quality of Material			
a	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	S/U	5
d	Total Thickness of Layer	2 per Km	S/U	9
		Item Grade	S/U	5
	Item 7 - Base	Course - Water Bound Maca	dam	
ì	Grain Size of Course Aggregate	L. Chang Han III I nor	S/U	S
	Test for Liquid Limit and Plasticity Index in case fine aggregates are crushable type	In Stage- II or III, 1 per km	S/U	
	Volumetric Analysis for assessment of compaction of WBM	In Stage- II or III, 1 per	S/U	, married
- 1	Surface Evenness using straight edge	In completed WBM 2 tests per km	S/U	3
- 1	Thickness of every layer of WBM.	2 per Km	S/U	3
		Item Grade	S/U	Q

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

Item No.	Sub Item for Observation	Awarded Grade
Item No 1	Setting Out and Working Drawing	3
Item No 2	Site Clearance and Grubbing	3
Item No 3	Quality Arrangements	S
Item No 4	Geometrics	3
Item No 5 A	Earth Work and Sub-grade in Embankment/ Cutting	۔۔ڪِ۔
Item No 5 B	Earth Work in Cutting in Hilly/ Rolling Terrain	
Item No 6	Sub-Base	S 134
Item No 7	Base Course - Water Bound Macadam	3
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.	3
Item No 11	Side Drain and Catch Water Drain	-
Item No 12	CC/ Semi Rigid Pavements and Associated Pukka Drains	3
Item No 13	Road Furniture and Markings	
	Overall Grading	2

Date: