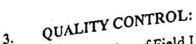


Annexure 1 Format 1- Part I

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

GENE	CRAL: Work is Queening Completed
1.1.	Date of Inspection DD MM YY 27. 12. 2018,
1.2. 1.3.	Name of State Quality Monitor: Ger santage Ver Simbor.
1.4.	Name of Road: From 1,095 to Nitamost
1.5.	Package No.: BREK 410
1.6. Total	Length:Km Flexible Pavement,Km. CC/other Pavementm,
1.7.	Estimated Cost (As cleared by GOI): Rs. 228, 14, Lakh
1.8.	Technical Sanction Cost: Rs. 205.549 Lakh
1.9.	The Work is a Case of: New connectivity Up gradation
≥ 1.10.	Terrain Rolling Hilly
1.11	Date of Start of the Work: 30 10 17
1.12.	Stipulated Date of Completion: 29 10 18
1.13.	Actual Date of Completion (if work completed):
2. Progra	PHYSICAL PROGRESS: (In case of On going works only) Construction amme and Physical Progress:

Item	Completed percentage of Item	Dates for completion	Start Date	Completion Date	Delay in Months
Barth Work	The state of the s	Due	194	1.1	
Property and a way of the control	**************************************	Actual	Arr	्र का स्वरंकर कर	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
CD Works	60%	Due		/	
CD WOLKS	00,	Actual			
Sub base i/c	70%	Due		 	
Shoulders	100000000	Actual			
Base Course (Non	60%	Due		-	
Bitu.)	6077	Actual		/	
Base /Wearing	2116.	Due	7		
Course(Bitu.)		Actual		-	
CC Pavement	NEP	Duc	/-		•••
i.		Actual	/		L
Signage etc	20%	Due	/	1	
BIRUSE CIC	1	Actual			ie 10



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

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

Inspection by NQMs, SQMs and senior (i.e. SE or CE) departmental officers and action Action Taken by PIU with

taken sta	tement:	Observations	Action Taken by PIU with
Date of	Inspected By	Observations	Date
Visit		* *	ext. (em.)
		F	
		T ₀	
		(8)	many Atrix
			्र विकास सम्बद्धाः स्थान
			1 1 M. Shamber Free
			The second second
			Same of the state
		16.5	Store Page
			(0)//(0)
			21.4 6 10
L	<u> </u>		and trade

Name and Signature of the Head of PIU, Date:

Base Course Hear

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	referenced with Marker	prepared Working Drawing for the work
	7	O charge	· Y.	γ,

Grading: Grasuggestions for	nde: S	SRI vemer	U If t	his item is	graded	SRI/U, write	clear reasons and
					7 7		
	·						
		25					14
*	_			25. 25			8
							n

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

#	Grubbing being done as per DPR and Material obtained is	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.
	4	Y	-

Grading: Grade: SRI U suggestions for improvement:	If this item is graded SRI/	U, write clear reasons and
	30 H	
. •		
2 0 0 0 10 0 0 0		
и и		

3. QUALITY ARRANGEMENTS AND ATTENTION TO QUALITY - For all

3. QUALITY

<u>stages of work</u>

Observations about Field Laboratory:

# Whether Field laboratory Established (Y/N)	:lable	Whether adequate Equipments as per requirement of work are available and are being used. (Y/N)
Y	7.	γ,

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	Quantity	Name of Test	No. of Tests required	No. of Tests Conducted by PIU/Contractor
		-			·
-					1 1
	* 5				
-				·	
-					
			•		
-					
		1	10 P		
	(40				
		148 a 11		·	

#	Based on executed quantities whether all mandatory tests conducted. Yes Partly No	Whether QC Register Part I maintained as per provisions. Yes Partly No	Whether QC Register Part II maintained and test results monitored as per provisions. Yes Partly No
	7	7.	γ.

Grading	g: Grade	SSI	RI I		f thi	s item	is gr	adec	SRI	/U,	write	cle	ar rea	sons and
suggesti	org 10L []	everqu	ment:	10				•.	-)					
													•	
19						•		•						850 W

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 %
20D31	# H150	hB260.	3./	o ncin			is some
500m	5.00	1.3.00	34.				
2800	16:00	3.75	24.		1 - 1	ć (A	

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)
2200	6%	4.80 yes			
	Land Cont				A STATE OF THE STA
	1				

Grade! S U improvement:	If this item is	graded U, w	rite clear	reasons	and sug	gestions	for
					•		
							•
	and the second s	a commence					

OBSERVATIONS REGARDING THE QUALITY OF ITEMS OF WORK: When we will be the second

5. Earthwork:

Observations Quality of Material for Embankment/Sub-grade:

#	Location (RD)	the Group Symbol and write	Quality of material is acceptable. (Y/N)
	200	Sily clay	у.
	2250,	SIJAY Clay	7
	La Description		
	i i	Section 1	

U	rade:	8 U	Ift	his item is	graded U, write	clear reason	s and
su	ggestions fo	or improven	nent:				* .
				* *			20
						N	
•							
						100	
	, ,						
)h	sarvation _	Workmans	hin f	or Emban	kment and Sub	OC.	4 1 4
JUS	SCI VALION —	W C KILL	mp 1	or Emban	Mile bit and bull	-grade Cons	struction:
#	Location	MDD kN/	m ³	Field	Dec	ree of Comp	action
"	(RD)	(As per	255	Moisture	Field Density	Dry Densit	y Compaction
	• 1	record)		Content	kN/m³	kN/m ³	adequate.
						\$ 1	(Y/N)
	200,	1.72	-		_	1.73	V
	2250.	1.70	2	_	_	١٠٦١	+ 4
	200						+L
							2
		100E 11733 C4053347 W	1				
						1	-
	<u> </u>				L	l	
	rade: 8	1.4	is ite	n is grade	d U, write clear i	easons and si	uggestions for
in	nprovemen	•					100
			*2			8 8 2	* .
					3		
						 ;	
	n *						
	40	_ Side elono	a and	massler		140	*
Oh	servation.	- prac stobe	2 MII	.		1	<u>C1 :-</u>
_	oservation -			4 0:1- 0	Slopes	Whether pr	Office is
_		tion (RD)		ther Side S		C-Linforton	/ 1 1 / 1 / 1
_	# Loca			factory (Y		Satisfactory	\$ · ·
_	# Loca	tion (RD)				Satisfactory	
_	# Loca					Satisfactory	
_	# Loca	250.				γ	-
_	# Loca					Satisfactory Y	-
_	# Loca	250.				γ	-
_	# Loca	250.				γ	-
_	# Loca	250.				γ	-

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

#`	(LU)	Cut Slopes & Profile, whether appears to be stable. (Y/N)	Adequate slope protection works executed. (Y/N)	Formation is properly dressed and traffic worthy. (Y/N)
		N	A	
		- (

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
8			, which	10 10 10 10 10 10 10 10 10 10 10 10 10 1	
		NA			
		111			

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



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)
	200,	4	Υ	Y	● 2000	γ,
	2250	У	y	y	€200 mm	γ
	2200					
-			9	10.		
_				g B	n (*)	
		<u> </u>				

Grade:	SU	If this item i	s graded	U, write clear rea	asons and suggestic	ns
for improv	ement:	# H 1				
* ×				5 000		
şî					¥	2

7. Base Course:

Observations- Quality of Material and Workmanship of WBM:

#	Location	Thickness	Thickness	Aggregate	Filler	Volume of	Whether
	(DD)	of each	is	confirms to	material is	filler	adequate
	(RD)	layer of	adequate.	Grading	non-plastic	material	compaction
		WBM	(Y/N)	(Y/N)	to desired	percent of	is done.
		(mm)		¥ w	extent.	coarse	(Y/N)
		•		1	(Y/N)	aggregate	
Г	200	96,	7	У	7	247,	
	2250.	75	γ	γ	7	· 24 y,	20
				14			

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

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

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.):

N/A

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

N/A

In case of PMC/BM/MPM/ Seal Coat

#	Location (RD)	Whether Coarse 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
	* * * * * * * * * * * * * * * * * * * *	<u></u>	MA		limits. (Y/N)
	# 5				

Grade: S U	If this item is graded U, write cle	ear reasons and suggestions for
improvement:	* a *	* H
	71/A.	
	1 17	
u u		
		y ² x

Observations - Workmanship of BT layer PMC/BM/MPM (in case of completed works):

#	Location	Th	ickness	Whether surface evenness is
	(RD)	Thickness in mm	Whether thickness is adequate. (Y/N)	within acceptable limits. (Y/N)
		8		
		9	01/2	
		•	· /H =	
		8		

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

9. Observations - Quality of Shoulders:

		, ,	. Shouldel?:		2 8
#	RD of	Thickness		,	
	observation	THICKNESS		Whether quality	Whether Shoulder
		of layer in	quality of the	of compaction	being constructe
		mm	material is		simultaneously
			acceptable.	acceptable.(Y/N)	
	,		(YN)	acceptance (1714)	base course (Y/N)
_					
		1	<u> </u>	1.7	ne23-
		17	Josul	In Dry	1
Salain.	Manual 25				

		at Which	Tym	rvations - 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)	1
		70	love	~ progress		
•	-			, O		
				- 1		
×	Gra	ade: SRI	U If th	nis item is graded SRI/U,	write clear reasons and	7
	sug	gestions for imp	rovement:	is item is graded SNI/O,	Wille clear reasons and	
						20 20
			1	1 ~		
				/A.	· ·	
						5
	500					
°. 1	11.	Side Drains and	Catch water I	Drains: Observations:	F 201 % 200	
1	#	Reference of RDs where side drain	f RD at	Whether general quality of the side drains/ catch-	are integrated to	
. 1	#	Reference o	f RD at which observation	Whether general quality of the side drains/ catch- water drains is	- are integrated to	
	#	Reference of RDs where side drain	f RD at which observation	Whether general quality of the side drains/ catch- water drains is	- are integrated to	
	#	Reference of RDs where side drain	f RD at which observation	Whether general quality of the side drains/ catch- water drains is	- are integrated to	
	#	Reference of RDs where side drain	f RD at which observation	Whether general quality of the side drains/ catch- water drains is	- are integrated to	
	#	Reference of RDs where side drain	f RD at which observation	Whether general quality of the side drains/ catch- water drains is	- are integrated to	
	#	Reference of RDs where side drain	f RD at which observation	Whether general quality of the side drains/ catch- water drains is	- are integrated to	
	#	Reference of RDs where side drain	f RD at which observation made.	Whether general quality of the side drains/ catchwater drains is acceptable. (Y/N)	are integrated to cross drains. (Y/N)	
	#	Reference of RDs where side drain	f RD at which observation made.	Whether general quality of the side drains/ catch- water drains is	are integrated to cross drains. (Y/N)	
	#	Reference o RDs where side drain constructed.	f RD at which observation made.	Whether general quality of the side drains/ catchwater drains is acceptable. (Y/N)	are integrated to cross drains. (Y/N)	
	#	Reference o RDs where side drain constructed.	f RD at which observation made.	Whether general quality of the side drains/ catchwater drains is acceptable. (Y/N)	are integrated to cross drains. (Y/N)	
	#	Reference o RDs where side drain constructed.	f RD at which observation made.	Whether general quality of the side drains/ catchwater drains is acceptable. (Y/N)	are integrated to cross drains. (Y/N)	
	#	Reference o RDs where side drain constructed.	f RD at which observation made.	Whether general quality of the side drains/ catchwater drains is acceptable. (Y/N)	are integrated to cross drains. (Y/N)	
	#	Reference o RDs where side drain constructed.	f RD at which observation made.	Whether general quality of the side drains/ catchwater drains is acceptable. (Y/N)	are integrated to cross drains. (Y/N)	

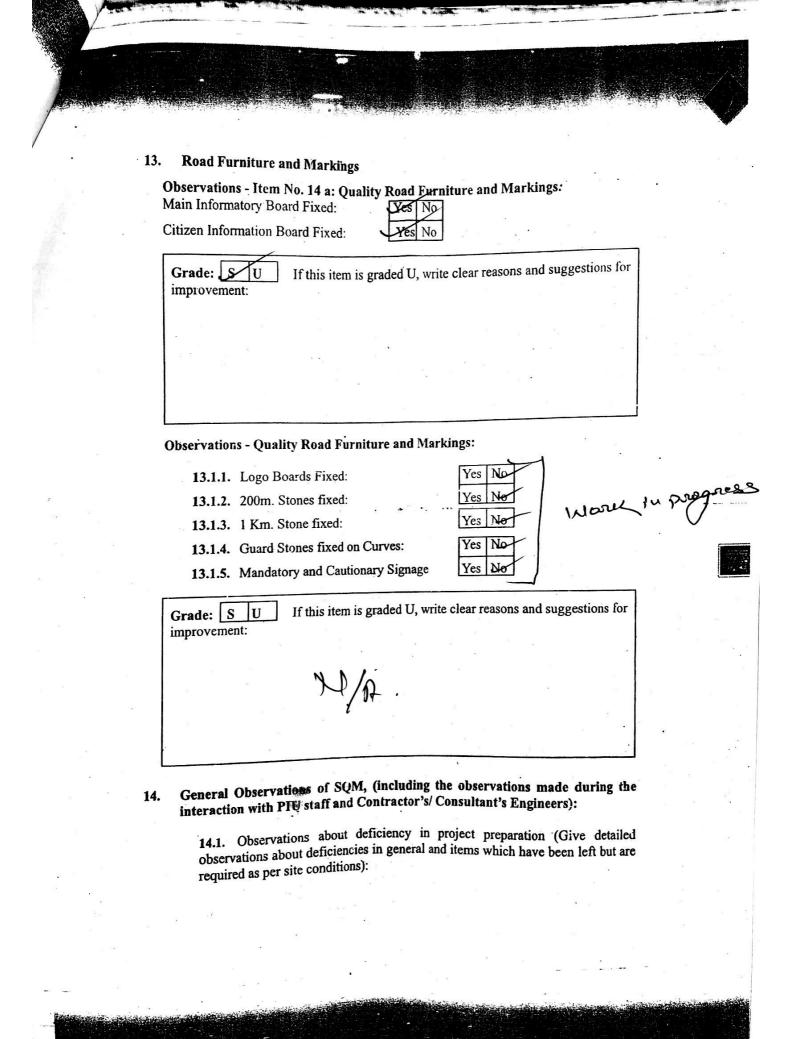
12. CC/ Semi-Rigid (SR) Pavements and Associated Pucca Side Drains:

	Reference of	RD a	t	in in	Thic	kness	General	General
#	Reference of RDs, CC/SR Pavements provided.	which obser- vation made.	- 1 -	hick n mn	ness	Acceptable (Y/N)	quality of material is acceptable. (Y/N)	quality of workmanship acceptable (Y/N)
-								
	*		1		1			
	91 91	E.		7	D	,		
		1						
	8	(4)		•	2 10			

Comments about adequacy of face/main walls, wings and retaining walls:

	65		8
		e e e e e e e e e e e e e e e e e e e	 <u> </u>
	¥ 8 8	AP IA	* 4
*	9 8		x
	¥1		

Grade: S U improvement:	If this item is graded U, w	rite clear reason	s and suggestions for
• 10			8
	NA	Ť	a e
		e e	* , .



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:

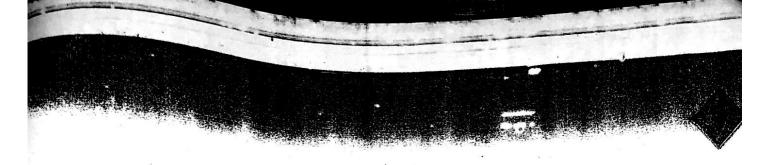
Formation width & Roadroay width required to be extended a

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

#	<u> </u>	Stage of Work	Awardable Grades	Awarde Grades
1		3	4	5
	Item 1 – Set	tting Out and Working Dr	awing	
a	Bench Mark and Centre Line	All Stages	S/SRI/U	3
b	Availability of Working Drawing	All Stages	S/SRI/U	3.
		Item Grade	S/SRI/U	3
	Item 2 – 5	Site Clearance and Grubb	ing	
a	Site Clearance and Grubbing	Stage-I	S/SRI/U	
b	Re-use of Salvageable Material	Stage-I	S/SRI/U	<u> </u>
		Item Grade		S
	Item 3	- Quality Arrangements	<u>' </u>	
a	Quality Arrangements	All Stages	S/SRI/U	5
,	Number of Mandatory Tests as per prescribed frequency	All Stages	S/SRI/U	<u>۔۔</u> ع
	Maintenance of QC Registers	All Stages	S/SRI/U	5
		Item Grade	S/SRI/U	S
	It	em 4 – Geometrics		
	Road way width	2 per Km in every inspection	S/U	S
	Carriageway width	2 per Km in every inspection	S/U	5
	Camber	2 per km	S/U	S
i	Super-elevation & Extra Widening at Curves	1 curve in each km	S/U -	S
		Item Grade	S/U	5
_	Item 5A . Earth Work a	nd Sub-grade in Embankn	nent/ Cutting	
	Quality of Material for Embankment/ Sub-grade	In Stage-I. 1 per km/	S/U	S
+	Prodoli	In Stage-I, 2 per km/ In Stage- II or III, 2 per km	S/U	S
	Side Slopes and Dec Ci	1 .	טע:	S

	Item 5B - Earth V	Vork in Cutting in Hilly/R	olling Terra	in
a	Stability and Workmanship of Cut Slopes		S/U	24,
h Adequacy of Slope Protection All Stages		All Stages - In general	S/U	N/A
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	NA
d	Longitudinal Gradient .	Stage II/III - 1 critical and fairly representative stretch of 200m in each Km	S/U	N/13
		Item Grade	s/U	12/0
		Item 6 - Sub-Base		
	Quality of Material	ول ي	P. 1985	
a	Grain Size	In Stage- II or III, 1 per	S/U	S
b	Plasticity	km	S/U	_S
c	Compaction	In Stage- II or III, 1 per km	S/U	S
d	Total Thickness of Layer	2 per Km	S/U	15
•	8	Item Grade	S/U	S
	Item 7 - Base	Course - Water Bound Mac	adam	
a	Grain Size of Coarse Aggregate	L Stage II of III 1 per	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	ع
:	Volumetric Analysis for assessment of compaction of WBM	In Stage- II or III, 1 per	S/U	S
1	Surface Evenness using straight edge	In completed WBM 2 tests per km	S/U	5
	Thickness of every layer of WBM.		S/U	5
	11 0.1	Item Grade	S/U	15/

	Item 8 - Bituminous Layer - 1	Premix Carpet (PMC)/ Sur	rface Dressin	g (SD)
a	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	
c	Gradation Test for Coarse 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	04/0
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	S/U	
g	Surface Evenness in case of completed BT work	2 per Km	S/U	
		Item Grade	S/U	
	I	tem 9 – Shoulders	* 0	
a	Quality of material for shoulders	In Stage- II or III, 1 test per Km	S/SRI/U	nares
b	Degree of compaction	In Stage- II or III, 1 test per Km	S/SRI/U	Works progress
c	Thickness of layer	In Stage- II or III, 2 tests per km	S/SRI/U	
Ite	em Grade		S/SRI/U	
	Item 10 - Cross Drainage Works		and Culvert	s upto 6 m.
a	Quality of Material - Concrete Stone/ brick masonry, Hume pipes including size etc.	All Stages	s/sri/u	1. hour he page
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	



Т	Item 11 - Side 1	Drain and Catch Water D	rain	
a	General quality of Side Drains/ Catch Water Drains and their integration with CDs.	All Stages	S/SRI/U	29/2
		Item Grade	S/SRI/U	
	Item 12 - CC/ Semi Rigid	Pavements and Associated	d Pukka Drai	ns
a	Quality of Material - Concrete, Stone/ Concrete Block Pavement etc.	In Stage- II or III, 1 per 100 m. Length of Pavement	S/U	-
b	Strength of CC in Concrete Pavement/ Concrete Block Pavement	In Stage- II or III, 1 per 100 m. Length of Pavement	S/U	2/2
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 	S/U	
		Item Grade	S/U	
L	Item 13 - F	toad Furniture and Marki	ngs	
а	Citizen Information Board, Main Informatory Board,	Stage-I	S/U	S
-	boards, 200 m stones and	Stage-III	S/U	71/A
b	whether information in	Stage-I and III	S/U	S (A)
1	Whether the information boards is given in local language.	Item Grade	S/U	151



17. Overall Grading of Work: The overall grading calculated on the basis of item and

Item No.	Sub Item for Observation	·
Item No 1	Setting Out and Working Drawing	Awarded
Item No 2	Site Clearance and Grubbing	Grade
Item No 3	Quality Arrangements	3
Item No 4	Geometrics	3
Item No 5 A	Earth Work and Sub-grade in Embankment/	S
Item No 5 B	Earth Work in Court	S
Item No 6	Earth Work in Cutting in Hilly/Rolling Terrain Sub-Base	
Item No 7	Base Course - Water Bound Macadam	3
Item No 8	Dituilinous Laver - Premis C	3
Item No 9	Surface Dressing (SD) Shoulders	
Item No 10	Cross Drainage Works – Causeways of all spans and Culverts upto 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 ·	101

Signature:	hop
Name:	27.12-18
Date:	E-E-PATM