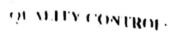
Formai 1 - Part 1

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

Work is Ougoing Completed
GENERAL:
1.1. Date of Inspection: (a) MM YY
1.2. Name of PIU
1.3. District: 6 Ch omparen Block: Vogapatti
1.1. Name of Road: From Semani to Koldi Tola
1.5. Package No.:
1.6. Length: 1.36 Km Flexible Pavement,
Total A. 9.1 Km
1.7. Estimated Cost (As cleared by GOI): Rs. 117.60 Lakh
1.8. Technical Sanction Cost: Rs. 117.60 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: 16 06 17
1.12. Stipulated Date of Completion: 15 06 18
1.13. Actual Date of Completion (if work completed):
2. PHYSICAL PROGRESS: (In case of On going works only) Construction Programme and Physical Progress:
Linkianine and raysom

. Item	Completed percentage of Item	Dates for completion	Start Date	Completion Date	Delay in Months
Earth Work	100%.	Due Actual			
CD Works	100./,	Due Actual		-	
Sub base i'c Shoulders	100%	Due Actual			
Base Course (Non Bitu.)	100%	Due Actual			
Base / Wearing Course (Bitu.)	100%	Due Actual			·
CC Pavement		Actual			
Signage etc.	100%	Actual .			



J.I. Location of Field Laboratory: AT Site

3:2. Quality Control Register Part-I is maintained by: Agency

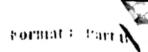
3.3. Quality Control Register Part-II is maintained by: PE4

1. 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
19.07.17	534	Satiofactory	
12.12.18 52.05.18 52.05.18	14371	Soliafactory Soliafactory Soliafactory Soliafactory	

Name and Signature of the Head of PIU, Date:.....



Report of PIU PART II-Observations of PIU for Ongoing/Completed Work

(To be filled-up by PIU use additional sheets, if required.)

Stage of Work: I II III

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

#	Whether Bench marks @ 4 per km established (Y/N)	Whether Center Line of Carriage Way accurately established and referenced with Marker Pegs and Chainage Boards (Y/N)	prepared Working Drawing for the work under progress is
	7	 	Y

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

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.
work up to howe to b	BT Portiondon e dome	pe, cc Pavement

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

_ د _

QUALITY ARRANGEMENTS AND ATTENTION TO QUALITY - For all stages of work Observations about Field Laboratory:

,	Whether Field isboratory Established (Y/N)		Whether adequate Equipments as per requirement of work are available and are being used. (Y/N)
	У	۲.	٤

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 o	No.	oI lred	Tests	No. of T Conducted PIU/Contra	0
_					-	<u> </u>	-	_
					*			
•		-		-+-				_
			-					
	P.	rfly					 	_
_				_				
								_
	distance de la company	+						_
_	<u> </u>						-	_
_	-				_			,
_			 	-	-9		1 23 1	_
_			+	-		-	1	

	Based on exceeding all	Wiletter 60 110	Whether QC Register Part Il maintained and test results monitored as per provisions. Yes Partly No Partly
1 4	1 11/		

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

SRI.

length and if it is found that the routhway and carriagencias is inadequate SOM may take more observations.

Observations -Road way width, Carriage way and Camber.

Ref. RD	Roadway Width (in)	Carriage way Width (m)	Camber in %	Ref. RD	Roadway Width (m)	Carriage way Width (m)	Camber in %
lo	6.0	3.75	3-25	(
800	6.00		3.41/				
		•					

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)
		1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
	ž		,		

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

OBSERVATIONS REGARDING THE QUALITY OF ITEMS OF WORK:

5. 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)
	1.00	sandy soil	Y
	Ser.		
/			

length and if it is found that the roadway and carriageway is incidentate 'PIU 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 %
) (1)
		•					

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)
		Α.			

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

OBSERVATIONS REGARDING THE QUALITY OF ITEMS OF WORK:

5. Earthwork:

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

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

Grade SI U suggestions for improveme	If the licen is graded U, write clear reasons and	
	-s -	

Observation -Workmanship for Embankment and Sub-grade Construction:

#	Location	MDD kN/m3	Field	Deg	ree of Compac	tion
	(RD)	(As per record)	Moisture Content	Field Density kN/m ³	Dry Density kN/m ³	Compaction adequate. (Y/N)
				-		
	· ·		, la si			
						:

	and suggestions for
Grade: S U	If this item is graded U, write clear reasons and suggestions for
improvement:	
improvement.	- X'
F	
4	
4,	•
•	
•	~ 4

Observation - Side slopes and profile:

#	Location (RD)	Whether Side Slopes Satisfactory (Y/N)	Whether profile is Satisfactory (Y/N)
_	1.20	Υ'	- K
-	1.40	Y	Y Y
	4		
			h+

Boservations | Earth work in Hilly/Rolling terrain or high Embankments#

(RD)	the Slopes & Profile whether appears to be stable. (Y/N)		formation is properly dressed and traffic worthy. (Y/N)
		G C	,

Observations - Longitudinal Gradient in case of road in hilly/rolling terrain:

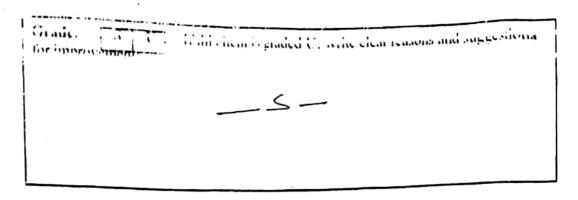
Ref. Between RD& RD	Longitudinal Gradient	S/U	Ref. Between RD& RD	Longitudinal Gradient	S/U
					
			-		

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

6. Sub-Base:

Observations - Quality of Material and Workmanship:

#	Location (RD)	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)
	, ,	Y	Y	Y	200	Y
		1	1			,
	£.					
-						
	=			,		



7. Base Course:

Observations- Quality of Material and Workmanship of WBM:

#	Location (RD)	Thickness of each layer of WBM (mm)	Thickness is adequate. (Y/N)	Aggregate confirms to Grading (Y/N)	Filler material is non-plastic to desired extent. (Y/N)	Volume of filler material percent of course aggregate	Whether adequate compaction is done. (Y/N)
		75100	Y	Υ	· y	20.50	Y
Г			-				
						,	
-							

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
	·

8 Bituminans Course: Promit Corpot/Surface Dressing/ BM/ MPAI 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:

In case of PMC/BM/MPM/ Seal Coat

#	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)
				(A)	
		,		Ple.	
			1× com		
	V.		201		

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

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

WOR	ks):	•		and in
#	Location	Thi	ckness	Whether surface evenness is
	(RD)	Thickness in mm	Whether thickness is adequate. (Y/N)	within acceptable limits. (Y/N)
	iOm	21 100 100	4	Y
	120	2 D room	Y	Y
	,			

Grade: S U improvement:	If this item is graded U, write clear reasons and suggestions for
•	•
es s	
44-14	

9. Observations - Quality of Shoulders:

#	RD of observation	Thickness of layer in mm	Whether quality of the material is acceptable. (Y/N)	of compaction	Whether Shoulders being constructed simultaneously with sub-base and base course (Y/N)
_	A 14 M			285	
-			``	progress	
\vdash			Solk		
-					

66	Cross Urainage Works: Observations - Quality of CDs:
1').	Cross Drainage Works: Observations &

" 	RD at which CD is located		Whether quality of the	Whether quality of workmanship is acceptable. (Y/N)
	550m	1000	У	y
	800%	17	7	Y
	125000	رد	4	, y

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:

#	Reference of RDs where side drain constructed.	RD at which observation made.	Whether general quality of the side drains/ catch- water drains is acceptable. (Y/N)	Whether side drains are integrated to cross drains. (Y/N)
			,	
_				
			· 1.8	
			-	
				,

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

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

#	Reference of RDs, CC/SR Pavements provided.	RD at which observati on made.	Thic Thickness in mm	Acceptable (Y/N)	General quality of material is acceptable. (Y/N)	General quality workmanship acceptable(Y/ N)
F			× 1.6	opleter	Led	
-		MBW		24/A	Y Starr	
		4	2CC			
		png	1 ^			

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

	•
*	

Grade: S U	If this item is graded U, write clear reasons and suggestions for
improvement:	
7	
	, J
	•

Road Furniture and Marking

Observations liem No. 14 a. Quality Road Parmiture and Markings.

Main Informatory Board Fixed-

Citizen Information Board Fixed:

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

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

1.545	_	/
Yes	No	
Yes	No	

Grade: 8 U If this item is graded U, write clear reasons and suggestions for improvement: work dor progress

- General Observations of PIU (including the observations made during the 14. 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):

orogramme 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).



Quality Grading of items and sub-items of work: The grading of every sub-items and item of work is given perov

-1				
1	Sub Item for Observation	Stage of Work	Awardable Grades	Awarded Grades
		3	4	
		ng Out and Working Drav	ving	
a	Bench Mark and Centre Line	All Stages	S/SRI/U	٤
b	Availability of Working Drawing	All Stages	s/sri/U	3
		Item Grade	s/sri/U	5
	Item 2 – Si	te Clearance and Grubbin	g	
n	Site Clearance and Grubbing	Stage-I	S/SRI/U	5
b	Re-use of Salvageable Material		S/SRI/U	9
	,	Item Grade	S/SRI/U	ع
	Item 3	- Quality Arrangements		
A	Quality Arrangements	All Stages	S/SRI/U	SRI
p.	Number of Mandatory Tests as per prescribed frequency	All Stages	s/sri/u	SRI
c	Maintenance of QC Registers	All Stages	S/SRI/U	SR1
		Item Grade	S/SRI/U	SRI
	Į:	em 4 – Geometrics		
a	Road way width	2 per Km in every inspection	S/U	٤
ь	Carriageway width	2 per Km in every inspection	S/U	ع
c	Camber .	2 per km	S/U ·	٤
d	Super-elevation & Extra Widening at Curves	1 curve in each km	S/U	· .
_	1	Item Grade	S/U	2
-	Item 5A - Earth Work	and Sub-grade in Embani	ment/ Cutting	1
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
ь	Compaction	In Stage-I, 2 per kin/ In Stage- II or III, 2 per kin	S/U	٤
c	Side Slopes and Profile	2 per km in Stage III	S/U	3

item 5B - Fn	rth Work in Co	atting in Hilly/	Rolling '	lerran
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item 3B - Earth Work in Culting in Entry		i .
a Stability and Workmanship of Cut Slopes Stage I and II, at 2 eritical locations with maximum height of cutting in each km	h S/U	_
b Adequacy of Slope Protection All Stages - In gener	al S/U	_
Upon completion of formation cutting, dressing, traffic worthiness At Stage III, at 2 crit locations with maxim height of cutting in ekm	num S/LI	
d Longitudinal Gradient Stage II/III - 1 critical and fairly represental stretch of 200m in ear Km	tive S/II	_
Item G	rade S/U	
Item 6 - Sub-Base		
Quality of Material		
a Grain Size In Stage- II or III, 1	s/U	5
b Plasticity km	S/U	
e Compaction In Stage- II or III, 1 p	per S/U	S
d Total Thickness of Layer 2 per Km	S/U	S
Item G	rade S/U	S
Item 7 - Base Course - Water Bound	Macadam	
a Grain Size of Course Aggregate	S/U	5
Test for Liquid Limit and Plasticity Index in case fine aggregates are crushable type	S/U	
c Volumetric Analysis for assessment of compaction of km	per S <i>t</i> U	٠ ر
Surface Evenness using In completed WBM straight edge tests per km	2 S/U	5
Thickness of every layer of WBM. 2 per Km	S/U	5
Item G	rade S/U	5

Item 8 - Bituminous Layer - Premix Carnet (PMC v Surface Dressing (SD)

	January Layer -	Premix Carpet (PMC)/ Si	irface Dressin	g (317)
a 	Level of cleanliness of WBM surface prior to application of bituminous layer	! 1 per Km	S/U	S
h	Quality of Prime Coat/ Tack Coat with respect to quality of material and workmanship	l 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 werk	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	1 test per Km	S/U	
r	Thickness of layer	2 per Km	S/U	٤
g	Surface Evenness in case of completed BT work	2 per Km	S/U	5
		Item Grade	S/U	·
	1	iem 9 – Shoulders		
2	Quality of material for shoulders	In Stage- II or III, 1 test per Km	s/sri/u	
ь	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	workzmprogress
Ite	m Grade		S/SRI/U	
1	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	
ь	Quality of Workmanship such as positioning of pipes, wing walls, cushion over H Pipes etc.	All Stages	s/sri/U	S
9		Item Grade	S/SRI/U	٤
	2.11			-

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tone 11 Side Orain and Catch Water D	rai	Ì
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a ;	Ceneral quality of Side Drams Catch Water Drains and their integration with CDs.	All Stages	S/SRI/U	
		Item Grade	s/sri/U	
	Item 12 - CC/ Semi Rigid	Pavements and Associate	d Pukka Drain	8
u	Quality of Material - Concrete, Stone/ Concrete Block Pavement etc.	In Stage- II or III, 1 per 100 m. Length of Pavement	S/U	- 3
b	Strength of CC in Concrete Pavement/ Concrete Block Pavement	In Stage- II or III, 1 per 100 m. Length of Pavement	S/U	refre
c	Quality of Workmanship – Wearing surface texture, Adequacy of setting of concrete, Joints, Edges etc.	In Stage- II or III	S/U	والإدامه)
ď	Thickness of Layer	In Stage- II or III, 1 per 100 m. Length of Pavement	s/U	3
		Item Grade	S/U	
	Item 13 - F	toad Furniture and Mark	ings	
2	Citizen Information Board, Main Informatory Board, Quality and whether fixed during construction.	Stage-I	S/U	۶
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 .	-
	Morken prog	ress Item Grad	le S/U	_ح_

contail Grading or work. The one or painty calcains to make her the or the control of the contro

Item No.	Sub Item for Observation	Awarded Grade
Item No 1	Setting Out and Working Drawing	<u>s</u>
Item No 2	Site Clearance and Grubbing	3
Item No 3	Quality Arrangements	5
Item No 4	Geometrics	
lement 4	Hand Control of Submitted and performance	
I COMO GOVERNMENT	THE RESTRICTION OF THE PARTY OF	The state of the s
(lent's (olo	EVEN DE LA COMPANIE D	
Transfer Land	page of the American state of	
	Similarida Paris Paris Cara Cara Cara Cara Cara Cara Cara Car	
Item No 9	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	
1. No 12	Road Furniture and Markings	
Item No 13		ς :

Signature:

Name: SANJAY KUMMA

Date:29 -12-18