Format 1- Part I

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

GENERAL: Work is Origoing Completed
1.1. Date of Inspection: DD MM YY
1.2. Name of State Quelity Monitor: Ex. Sunil Kungy Singh
1.3. District: KATTHAR Block: NARSOI
1.4. Name of Road: From LOS3 - TO6 to PHUN GAON (URS3)
1.5. Package No.: BR16R353
1.6. Length: 1:9.Km Flexible Pavement, OKm. CC/other Pavementm.
= Total. \(\frac{1}{2}\cdot \text{QKm}\)
1.7. Estimated Cost (As cleared by GOI): Rs. 60.52 Lakh
1.8. Technical Sanction Cost: Rs. 60 - 52 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:
1.12. Stipulated Date of Completion:
1.13. Actual Date of Completion (if work completed):
2. PHYSICAL PROGRESS: (In case of On going works only) Construction Programme and Physical Progress:

Item	Completed percentage of Item	Dates for completion	Start Date	Completion Date	Delay in Months
Earth Work	100%	Due			
	(007.	Actual			
CD Works	100%	Due			
	(007.	Actual			
Sub base i/c	1907.	Due			
Shoulders	1007.	Actual			
Base Course (Non	100%	Due			
Bitu.)	(00).	Actual			
Base /Wearing	100%	Due			
Course (Bitu.)	1007.	Actual			
CC Pavement	100%	Due		14-	
	1007.	Actual			
Signage etc	100%	Due			
	100%	Actual			

3. QUALITY CONTROL:

- 3.1. Location of Field Laboratory: 0.100 km of Site
- 3.2. Quality Control Register Part-I is maintained by: Contractor
- 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 Visit	Inspected By	Observations	Action Taken by PIU with Date
88/05/88	Sri Jitendr prosad Sing) (SBM)	a n Satisfactory	NA
	4+		
	•		
		/-	

28/12/18 AE

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

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

#	Whether	Exact	Whether Center Line of	Whether properly
1	Bench	Locations of	Carriage Way accurately	prepared Working
	marks @ 4	the Bench	established and	Drawing for the work
	per km	Marks	referenced with Marker	under progress is
	established	2 10 10	Pegs and Chainage	available (Y/N)
	(Y/N)		Boards (Y/N)	
	4	30	Y	Y

_	S SRI U If thi	is item is graded SRI/U, write clea	r reasons and
Suggestions for impr	ovement:		
	ج ر	4	
			*
	4		

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 or clearing operations	Name the reusable material obtainable from clearance or scarification and indicate approximate quantity and its re-use by the PIU.
	~	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	

Grading: Grade: suggestions for	S SRI improvem	If this item is graded SRI/U, write clear reasons and	13
_			

3. QUALITY ARRANGEMENTS AND ATTENTION TO QUALITY - For all stages of \underline{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)
	Y	Yes	Υ

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 Test required	No. of Tests Conducted by PIU/Contractor
		-	-		
				-	
4					
+	had			-	
+			the second	F 7	
+				The second second	
T					
T				^	
T					
+	8				
_		_			
#		cuted Whet	her QC Registe	r Part Whetl	ner QC Register Part

"	-			
#	mandatory conducted.	executed ether all tests	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
	Yes		. Yas	7-5-
G	rading: Grade:	SSRIU	U If this item is graded SRI/U	Write clear research
su	ggestions for	improvement:	g-matta Sitta	, write clear reasons and
		improvement.	`2'-	

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 %
150	6.00	3.72	3.6%				
		1	4 -				
		.11					

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)
550	6%.	Υ	-		
	., .	F	1		
		11	ĺ		19

Grade: S U If the	nis item is graded U, write	clear reasons and su	ggestions for
improvement:			
end procedure	2		parties of the language
•		. 1	ē

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)
	120	Sardy	Y
	_		
		-	5
		,	

	ide: gestions fo	S U		this item is a	graded U, write o	lear reasons and	
				2			
					. 8	•	
	_						3
Obse	rvation –\	Vorkmansl	ip fo	r Embankm	ent and Sub-gr	ade Constructio	n:
#	Location	MDD KN	/m ³	Field	De	gree of Compact	·
	(RD)	(As pe	r	Moisture	Field Density	Dry Density	Compaction
		record)	Content	KN/m ³	KN/m ³	adequate. (Y/N)
-							
- 1	-		_		4	7	
	- +	4			-	a market for the state of	
							•
Grad	ie: S	U If this	item	is graded II	verito alas-	4	
impr	ovement:			is graded 0,	write clear reaso	ons and suggestion	ons for
				•			
		•					
·							
1			*				
<u> </u>					1 4 4 5		
	•						
		Side slopes	_				•
	# Locat	ion (RD)	Wh	ether Side SI	opes	Whether profil	e is
			Sati	sfactory (Y/)	Ν) .	Satisfactory (Y	(N)
_	-	20.		Y		~	
		_				 	
						<u> </u>	_
			+-				•
-			-				
					36		

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

#	Location (RD)	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)
	- I		My.	
				£ . — .

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
			, ,	O Lucione	
		-			

Grade: S U improvement:	If this item is graded U, write clear reasons and suggestions for
	MA.
5	

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)
	120	Y	Y	Y	200	Y
-						
-						
						1

Observations - Earth work in Hilly/Rolling terrain or high Embankments: Cut Slopes & Profile, Adequate slope Formation Location properly (RD) whether appears to be protection works dressed traffic and stable. (Y/N) executed. (Y/N) worthy. (Y/N) Observations - Longitudinal Gradient in case of road in hilly/rolling terrain: Ref. Between Longitudinal Ref. Between Longitudinal S/U RD...& RD... Gradient RD...& RD.. Gradient Grade: S If this item is graded U, write clear reasons and suggestions for improvement:

o. Sub-Base:		
Observations - Qualit	ty of Material and	Workmanshin.

#	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)
_			(-	(
_	· .					
-						

for improve		<u>.</u>				
7. Base Co	urse: ns- Quality	of Materi	al and Work	manship of '		Whethe
# Location (RD)	Thickness of each, layer of WBM (mm)	is	confirms to	Filler material is non-plastic to desired extent. (Y/N)	Volume of filler material percent of course aggregate	adequate compaction is done. (Y/N)
120,	75	Y	Y	Y		Y.
					Mark to the state of the state	Contract .
				Comment September 1 and 1		* * * *
					e water en jed	
Observatio representati	ns - Surfa ve length of	completed	ess: Surface	evenness	in about 200	in cruc
Grade: S improveme		If this iten	is graded U	write clear r	easons and sug	gestions fo

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.):

M. 4.

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

, M-1.

In case of PMC/BM/MPM/ Seal Coat

	case of I mag	DIVINITIVI Seal			
#	Location	Whether	Whether the	Write Mixing	Write Laying
	(RD)	Course	binder is of	Temperature	Temperature
	, ,	Aggregate	approved grade.	and whether it is	and whether it
		confirms to	(Y/N)	in permissible	is in
		grading.	,	limits. (Y/N)	permissible
		(Y/N)			limits. (Y/N)
1					
			u·k		
_			F1 1		- to
					P
		4			
				2	1
					ă.
					100

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

M-A

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

#	Location		ickness	Whether surface evenness is
-	(RD)	Thickness in	Whether thickness	Within acceptable limits. (Y/N)
_		mm	is adequate. (Y/N)	(1/11)
	120.	24	Y	Y
	pro the second			

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

9. Observations - Quality of Shoulders:

#	RD of observation	Thickness of layer in mm	Whether quality of the material is Acceptable.	Whether quality of compaction workmanship is acceptable (Y/N)	Whether Shoulders being constructed simultaneously with sub-base and
	150	300.	Y	Y	base course (Y/N)
	3				
				1-	

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)
	612	1000 \$	1 3 di.	Y
	790	14.P	Y	Ý

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/Catchwater drains is Acceptable.(Y/N)	Are intregrated to cross drains. (Y/N)
		MA	• · · · · · · · · · · · · · · · · · · ·	
			•	
			, .,	,

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

Γ	#	Reference of	RD	at	Thickness		General	General
		RDs, CC/SR Pavements Provided.	which observa on made		Thickness in mm	Acceptable (Y/N)	quality of material is Acceptable. (Y/N)	quality of workmanship acceptable(Y/ N)
					11.1			
							_ la	
l								

Grade: S If this item is graded U, write clear reasons and suggestions for improvement: Road Furniture and Markings 13. Observations - Item No. 14 a: Quality Road Furniture and Markings: Main Informatory Board Fixed: Yes No Citizen Information Board Fixed: Grade: S If this item is graded U, write clear reasons and suggestions for improvement: · 2°

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

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

7	'es	Ŋo	
V	es	No	

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

- General Observations of SQM, (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):

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.

1	Sub Item for Observation	Stage of Work	Award: Grad		arde
	2	3	4		5
L	Item 1 – S	etting Out and Working Dr	awing		
8	- street that Contro Line	All Stages	S/SRI/U	5	
ь	Availability of Working Drawing	All Stages	S/SRI/U	ع	
\vdash		Item Grad		U S	
\vdash	Item 2 -	Site Clearance and Grubb	ing		
a	The Stearance and Grubbing	Stage-I	S/SRI/U	<u></u>	
P	Re-use of Salvageable Material	Stage-I	S/SRI/U	-	
\vdash		Item Grad	e S/SRI/U	S	
⊢		3 - Quality Arrangements			
a	Quality Arrangements	All Stages	S/SRI/U	S	_
b	Number of Mandatory Tests as per prescribed frequency	All Stages	S/SRI/U		- 1
C	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	S	
b	Carriageway width	2 per Km in every inspection	S/U	5	\dashv
С	Camber	2 per km	S/U	5	\dashv
d	Super-elevation & Extra Widening at Curves	1 curve in each km	S/U	S	7
L		Item Grade	S/U	S	-
<u> </u>	Item 5A - Earth Work	and Sub-grade in Embankn	ent/ Cutting		\dashv
a	Quality of Material for Embankment/ Sub-grade	In Stage-I, 1 per km/ In Stage- II or III, 1 per km	S/U		1
b	Compaction	In Stage-I, 2 per km/ In Stage- II or III, 2 per km	S/U	9	1
С	Side Slopes and Profile	2 per km in Stage III	S/U	3	1
					1

	Item 5B - Earth Wo	rk in Cutting in Hilly/ Rollin	ng Terrain	+-
а	Stability and Workmanship of Cut Slopes	Stage I and II, at 2 critical locations with maximum height of cutting in each km	S/U	-
ь	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		m S/U	, (e.,
		Item Grade	S/U	
	1	Item 6 - Sub-Base		
	Quality of Material		n pro	
а	Grain Size	In Stage- II or III, 1 per	S/U	ع
b	Plasticity	km	S/U	* 42 · 42 ·
c	Compaction	In Stage- II or III, 1 per km	S/U	S
d	Total Thickness of Layer	2 per Km	S/U	S
. ,	,	Item Grade	S/U	2
	Item 7 - Base	Course – Water Bound Maca	dam	
а	Grain Size of Course Aggregate		S/U	S
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	ţ
d	Surface Evenness using straight edge	In completed WBM 2 tests per km	S/U	S
•	Thickness of every layer of WBM.	2 per Km	S/U	S
		Item Grade	S/U	S

L	Item 8 - Bituminous Lay	er – Premix Carp	et (PMC)/ Su	rfoce D	
	Level of cleanliness of WBN surface prior to application of bituminous layer	<i>1</i> I	(1.1.1 <i>0)</i> / Su	S/U	ng (SD)
	Quality of Prime Coat/ Tack Coat with respect to quality of material and workmanship	of l observat	ion on the day	S/U	
,	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	e day of	S/U	Ph
đ	Grade of bitumen and temperature at the time of mixing and laying (if the work in the item is ongoing)	1 test on the inspection	day of	S/U	
e	Bitumen Extraction Test if PMC is complete	1 test per Km		S/U	Cr - District
•	Thickness of layer	2 per Km	- Matter	S/U	
1	Surface Evenness in case of completed BT work	2 per Km		S/U	3
		9.	tem Grade	S/U	5
7	Quality of material for	Item 9 - Shoulde	ers		3
4	shoulders	In Stage- II or I	II, 1 test	S/SRI/U	C
4	Degree of compaction	In Stage- II or I per Km	II, 1 test	-	S
_	Thickness of layer	In Stage- II or I	I, 2 tests	S/SRI/U	. 5
	Grade	per km		S/SRI/U	
1	tem 10 - Cross Drainage Works -	Causeways of all	Spans	S/SRI/U	5
	Quality of Material – Concrete, Stone/ brick masonry, Hume pipes including size etc.	All Stages	T	d Culverts /SRI/U	upto 6 m.
	Quality of Workmanship such as positioning of pipes, wing valls, cushion over H Pipes tc.	All Stages	+	SRI/U	S

Γ	Item 8 - Bituminous Layer -	Premix Carpet (PMC)/ Surf	face Dressing (S	SD)
a	Level of cleanliness of WBM surface prior to application of bituminous layer	1 per Km	S/U	1
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	
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	
r		Item Grade	S/U	
Г		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	V 1
Iten	n Grade		S/SRI/U	
1	tem 10 - Cross Drainage Works - (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	e Drain and Catch Water Dr	ain	
а	General quality of Side Drains/ Catch Water Drains and their integration with CDs.	All Stages	S/SRI/U	-
L	¥	Item Grade	S/SRI/U	-
	Item 12 - CC/ Semi Rigid	Pavements and Associated P	ukka Drains	
a	Quality of Material - Concrete, Stone/ Concrete Block Pavement etc.	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	e cance of
d	Thickness of Layer	In Stage- II or III, 1 per 100 m. Length of Pavement	S/U	-
A.		Item Grade	S/U	1
Propie	Item 13 - Ro	ad Furniture and Markings		
а	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	٤.
c	Whether the information in boards is given in local language.	Stage-I and III	S/U	2
		Item Grade	S/U	5

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	S			
Item No 3	Quality Arrangements	S			
Item No 4	Geometrics	. S			
Item No 5 A	Earth Work and Sub-grade in Embankment/ Cutting	S			
Item No 5 B	Earth Work in Cutting in Hilly/ Rolling Terrain	_			
Item No 6	Sub-Base	\$			
Item No 7	Base Course - Water Bound Macadam	2			
Item No 8	Bituminous Layer – Premix Carpet (PMC)/ Surface Dressing (SD)	ع			
Item No 9	Shoulders	3			
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	-			
Item No 13	Road Furniture and Markings	S.			
•	• Overall Grading				

Signature :

Name:

Date:

28/14/18

OBSERVATION SHEET

Calculation of Sieve Analysis

Name of Road: LO53-TO6 to Phungaon (VR-53)

BR-16R-353

BLOCK:- Barsoi

DIVISION:- Barsoi

G.S.B. (Gr-I)

CHAINAGE:- 120 m.

I.S.Siver Designation in mm	weight of Sample Retained (gm)	Percentage of Wt. Retained	Comulative Percentage of Wt. Retained	Percentage of Passing	Permissible Value
7-5	0	0	Ø	100	100
26.5	25456	27	27	73	55-75%
4.75	41012	43.5	20.50	29.50	10-30%
0.075	27813	29.5	100	0	0-10%
		1	ξ.		
Total	94281			li a	



W.B.M. Gr-III CHAINAGE:- 120m weight of **Permissible Percentage Comulative Percentage** Sample Percentage of I.S.Siver Value of Wt. Retained of Passing Wt. Retained Designation in mm Retained (gm) 100 63 100 0 0 0 . 4.86 45.14 95-100% 4-86 1989 53 65-90% 11218 28.14 33 67 45 60.03 6.97 93.03 22.4 15212 0-10% 0-5% Fe.3 100 2853 11.2 0

Screening Material 7797 gm - 16%. Total wt = 48729 gm

40932

28/2/18

Total

OBSERVATION SHEET FOR FIELD DENSITY OF SOIL

(By Core Cutter Method)

Name of Road: LOS3 - TOG to phungaon (UR-53) (BR-16R-353)

BLOCK:-

Barboi

DIVISION: Berson

CHANAGE- 120 m			
SL.NO.	DESCRIPTION	OBSERVATION	
1	Maximum Dry Density (M.D.D) as per record (O.M.C)	1.65	Gm/CC %
2	Volume of Mould (V)cm ³	1020	cc
3	Weigth of empty Mould (W)gm	1016	gms
4	Weigth of Mould+ Soil (W1)gm	2812	gms
5	Weigth of Soil (W1-W)gm	1796	gms
6	Bulk Density Yb=(W1-W)/V	1.76	Gm/cc
7	Moisture Content (M)m (By Rapid Moisture meter)	6	%
8	Dry Density Yd=(100 x Yb)/100+M	1.66	gm/cm ³
9	Degree of Compaction =Dry Density x100 /Maximum Dry Density (M.D.D.)	100.62%	%