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

GENERAL: Work is Ongoing Completed	
1.1 Date of Insuration	
1.2 Name of State O	
1.3. District: Madhonus Di	
1.4. Name of Road: From Loys Haribola to Rani padti	
15K20K-154	
1.6. Lengthtown Flexible Provence A. 122 V	
Total 6:332 Km Flexible Pavement 9:33 Km. CC/other Pavement	
1.7. Estimated Cost (As cleared by GOI): Ps. 201	,
1.8 Technical Country	
13. 20.54, 9 Cy lakh	
1.9. The Work is a Case of: New connectivity Up gradation	1
1.10. Terrain Plain 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	

Item	Completed	Dates for	Start	Completi	To .
Earth Work	percentage of Item	completion	Date	Completion Date	Delay in Months
OII.	80 %	Due	The state of	1200	INTOITINS
CD Works	/-	Actual	-	·	
oz works	NH	Due			<u> </u>
Sub base i/c		Actual		 	-
Shoulders •	801	Due			
base Course (Non		Actual			
Bitu.)	801.	Duc		·	
Base /Wearing		Actual		1	
Course(Bitu.)	NM	Due		19290	My
CC Pavement		Actual		000	
z a chien	×> /	Due			
Signage etc	1	Actual			
- Sande Cit	N) 1	Due	. 19		
	, , , ,	Actual			

- QUALITY CONTROL:
- 3.1. Location of Field Laboratory: 250 My
 - Quality Control Register Part-1 is maintained by:
 - Quality Control Register Part-II is a vicable of ty-
- 4 U-SI ECTIONS BY NOM, SQM or SENIOR OFFICERS AND ACTION

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
26/06/18	Surendra	- 101 - 1000 C 0	Date
PSHIJ	50. M	, , , , , , , , , , , , , , , , , , ,	
38.3	35.2		
35033			116180
To complete the control of the contr			
		ransor saleho	
			3/1985-8
			15 3 M.C.

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 Bench marks @ 4 per km		Whether Center Line of Carriage Way accurately established and referenced with Marker	Whether prop prepared Work Drawing for the w under progress	
	established (Y/N)		Pegs and Chainage Boards (Y/N)	available (Y/N)	15
	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

#	Whether Clearing Grubbing being done as per DPR Material obtained being disposed	and is	available scarifying ex or clearing can be	from isting work operations salvaged and	Name the reusable material obtainable from clearance or scarification and indicate approximate quantity and its re-use by the RIU.
	properly (Y/N)		reused (Y/N)		

Grading: Grade:		If this item is graded SRI/U	J, write clear reasons	s and
suggestions for	improvement:			
	•			
			77	

3. QUALITY ARRANGEMENTS AND ATTENTION TO QUALITY - $\underline{\text{For all stages of work}}$

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)
	Y	4	->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)

#	Executed	Quantity	Name of Test	No. of Tests required	No. of Tests Conducted by PIU/Contractor
					110/Contractor
			<u> </u>		1
					<u> </u>
		5	ned		
1		and the second	For		
1	Des des de la company	0.09/8			
1	C	Pro		• 2	
1	6				
1					
+			<u> </u>		
+			3.07		
1					
+					
+					
1					

# Based on executed quantities whether all mandatory tests conducted.	Whether QC Register Part I maintained as per provisions.	Whether QC Register Part II maintained and test results monitored as per provisions.
Yes Partly No	Yes Partly No	Yes Partly No
	4	
Grading: Grade: S SRI U	If this item is graded SRI/U	Write clear reasons and
suggestions for improvement:	3 314 0	, write clear reasons and
	\$	
		3650 and 2 360 and 3

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. Roadway Carriage Camber Ref. Roadway RD Width way Width Carriage Camber in % RD Width (m) way (m)in % (m)Width (m) Observations - Super-elevation and Extra Widening at curves. Ref. Super Extra Ref. RD RD Super Elevation Widening Extra Widening Elevation provided (Y/N) provided (Y/N)

improvement:	If this item is gra	-sa o, whe c	lear reasons and s	uggestions for

OBSERVATIONS REGARDING THE QUALITY OF ITEMS OF WORK:

Chservations -Quality of Material for Embankance Cult-grades

	Location (RD)	On Visual Classification identity the Group Symbol and write	Quality of material is
		F Symbol and Write	acceptable. (Y/N)
- 1			
		and the second of the second o	
\dashv			

		s for improvement	C11[:	n is graded U, v	the clear reaso	ns and
.						
'						
	1 200					
Obs	servation -	-Work-				
		workmanship	for Emba	nkment and St	ıb - x	
#	Location	MDD kN/m ³		, , , , , , , , , , , , , , , , , , , ,	in-grade Const	truction:
	(RD)	(As per	1 1610	De	1000	
		record)	Moisture	Field Density	gree of Compa	ction
			Content	KN/m³	Dry Density kN/m ³	adequate
		122 812 224		c. an		(Y/N)
+	-		164	5		2 3 31
) (95	FORT .	enol	ee of			
- -		ene	- · · · · · · · · · · · · · · · · · · ·	18	1	
		_	6/66	Suran	for	
		L		643		
		- 31				
Crod	Tal	T				
Grad	e: S U	If this item	is graded I	1		
Grad mpro	e: S U	If this item	is graded U	J, write clear rea	asons and sugge	Slions for
Grad mpro	e: S I	If this item	is graded U	J, write clear rea	asons and sugge	stions for
Grad mpro	e: S U	If this item	is graded (J, write clear rea	asons and sugge	stions for
Grad mpro	e: S U	If this item	is graded (J, write clear rea	asons and sugge	stions for
Grad mpro	e: S Uvernent:	If this item	is graded (J, write clear rea	asons and sugge	stions for
Grad mpro	e: S Uvement:	If this item	is graded (J, write clear rea	asons and sugge	stions for
mpro	vement:			J, write clear rea	asons and sugge	stions for
mpro	vement:			J, write clear rea	asons and sugge	stions for
mpro ervat	vement:	slopes and pro	ofile:		asons and sugge	stions for
mpro ervat	vement:	slopes and pro	ofile:	AKEE.	791 0/4013 /	stions for
mpro ervat	vement:	slopes and pro	ofile:	THE STATE OF THE S	ethe: n-wa	stions for
mpro ervat	vement:	slopes and pro	ofile:	THE STATE OF THE S	ethe: n-wa	stions for
mpro ervat	vement:	slopes and pro	ofile:	THE STATE OF THE S	791 0/4013 /	stions for
mpro ervat	vement:	slopes and pro	ofile:	THE STATE OF THE S	ethe: n-wa	stions for
mpro ervat	vement:	slopes and pro	ofile:	THE STATE OF THE S	ethe: n-wa	stions for
mpro ervat	vement:	slopes and pro	ofile:	THE STATE OF THE S	ethe: n-wa	stions for

ervations - 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)
-				
		Maria de la Caracteria de		

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

Ref. Between	Longitudinal	S/U	Ref. Between	T is a	
RD& RD,	Gradient	174	RD& RD	Longitudinal Gradient	S/U
3830			/	- CAUGICIN	
1602			1 /	2 F 20 = -	

Grade: S U If the improvement:	is item is graded U, write	clear reasons and suggestions for
	and the second s	
www.		1918 × 1919
3 B 0		

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)
				X 1		
\dashv						
		~	,			
+					0.19.30	

Grade: S for improvement	U If this item is graded U, write clear reasons and suggestion.
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
•	

7. Base Course:

Observations- Quality of Material and Workmanship of WBM:

#	(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)
	480	75	×	Y	(-1.1)	uggregate	
-			2 102		** 124 1		
	11/2/19/19/56	Secretary Property	*				

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

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

. 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:

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
	480	þ	. 4		limits. (Y/N)
,			N. 0		

ir	Grade: S inprovement	U If this ites	m is graded U, write	clear reasons and suggestions
			25311 3981	
			Walter trees sandy	
			er bereta	
b	servations :	- Workmand:		
b	servations . rks):	- Workmanship	p of BT layer PMC/I	BM/MPM (in case of
b	servations - rks): Location	- Workmanship	p of BT layer PMC/I	BM/MPM (in case of completed
b 01	servations rks): Location (RD)	in	ickness	Whether surface every
b 01	1	Thickness in	Whether thickness	Whether surface every
b	1	in	ickness	Y
b	1	Thickness in	Whether thickness	Whether surface every
bon	1	Thickness in	Whether thickness	Whether surface every
boi	1	Thickness in	Whether thickness	Whether surface every
b	1	Thickness in	Whether thickness	Whether surface every
b	1	Thickness in	Whether thickness	Whether surface every

improvement:	If this item is	Staded O, W	rite clear rea	sons and	suggestions
		•			
			H 186	#/ #/	ie ⁿ e
		· · · · · · · · · · · · · · · · · · ·			
	¥.				

9. Observations - Quality of Shoulders:

#	RD of observation	Thickness of layer in mm	quality of the material is	workmanship is acceptable.(Y/N)	heine

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)
			+	

Grade: S suggestions for	If this item is grad	ded SRI/U, write clear reasons a	ınd
		property of the	
<u> </u>			

11. Side Drains and Catch water Drains: Observations:

#	Reference of RDs where side drain constructed.		of the side drains/ catch-	are integrated to
		-		

Grade: S SRI U suggestions for improvement	If this item is gradedent:	d SRI/U, write clear rea	isons and
	# 1		

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

#	Reference of RDs, CC/SR		Thic	kness	General	General
	Pavements provided.	which observati on made.	Thickness in mm	Acceptable (Y/N)	quality of material is acceptable. (Y/N)	quality of workmanship acceptable(Y/ N)
			4	2		
			/			
	Mark Miller					

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

	¥	8

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

ad Furniture and Markings

servations - Item No. 14 a: Quality Road Furniture and Markings:

Main Informatory Board Fixed:

Yes No No

Citizen Information Board Fixed:

Grade: | S improvement:

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

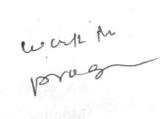
Observations - Quality Road Furniture and Markings:

- 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



Yes No

Yes No Yes No



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

- 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 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).

ther observations, if any:

0+0 80 Miles Accrochonand by

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

		1	Sub Item for Obser	rvation	Stage of W	'ork	0 40	Awarda Grade	1 221	ardo
	6.5 (6)			1 0.	3			4	$S \rightarrow G$	rade
		a	Bench Mark and Centre	1-56	tting Out and Worl	king	Drawi	no		5_
				- 1 1111	All Stages					_
		.b	Availability of Working Drawing	3			- 1.5	SRLU	Q	>
					All Stages			SRIU	S	
			14		Item	Gra	de	S. SRLU	e	
	1	a	Site Clearon	m 2 - S	ite Clearance and (Grub	hina	7	12	
	1	b 1	Site Clearance and Grub	bing	Stage-I		T			
	F		Re-use of Salvageable M	aterial	Stage-I			SRI/U	3	
	H						Sis	SRI/U -	e	
	L				Item (Grad	e S	/SRI/U	1	
	a	Q	uality Arrangements	tem 3.	- Quality Arrangem	ents				
	1.	N	Contents	- 1	1 4 11 6		T		T	
	b pe		Number of Mandatory Tests per prescribed frequency		as		S/SRI/U		9	
	c	c Maintenance Co.			All Stages		SiSI	31.11		
			aintenance of QC Regist	ers	All Stages		-			
-	-						S/SR	J/U	S	
1	*			14	Item G	rade	S/SR	I/U	C	\dashv
1	a	Ro	od		n 4 – Geometrics					
1		Road way width		2	2 per Km in every					
1	b	Carriageway width		- 11	ispection	- 1	S/U			
1	\dashv			2 in	2 per Km in every		0.00			
C		Can	iber				S/U -			
	T	Suna	w1 .	[2]	2 per km		S/U			4
d		Wide	er-elevation & Extra ening at Curves					,	7	
-			at Curves	110	1 curve in each km S/I					7
							, ,	-		
			Item 5A - Ford W		Item Grad	le S	/U			
	T		Item 5A - Earth Wor	Sub-grade in Emba	nkm					
a	C	()ualit	y of Material for	In S	tage-I, 1 per km/	IKIII	ent/Cu	itting		
	E	mbar	nkment/Sub-grade	In S	tage- II or III, 1 per					
				km	or in, I per	S/I	U		3	
)	Co	ompa	ction	In St	age-I, 2 per km/	+				
-	_			111 013	In Stage- II or III 2 non		1		7	
1	Sic	le Slo	opes and Profile	TANII -		10/(,	1	1	
			1 TOTTIE	2 per	km in Stage III	0/1:		1.		
					0-11	S/U		1 -	-	

À	Item 5B -	Earth M	ork in Cutting in	LI	15		
	" Stability and Workma	makip of	Stage Land II. a sittled to cations the igh	t 2 s with	1 /	Terra	nin
Ti rayeye	Upon completion of for cutting, dressing, traffic worthiness	The second of the second	All Stages - In go At Stage III, at 2 locations with ma height of cutting i	eneral	al	l	
	Longitudinal Gradient	1 -	Stage II III - y crit and fairly represen stretch of 200m in Km		S/U		
	- Marie Control (1977)	The state of the s	Item (Grade	S/U		-
	Ovaling	lie	m 6 - Sub-Base		15/0		
1	Quality of Material			1 4 1			
-	Grain Size	11	C		T		3
b	Plasticity .		Stage- II or III. 11	ber	S/U		(
· ·	Compaction	Jn km	Stage- II or III, 1 p	er	S/IJ S/U		
Kİ	Total Thickness of Layer	1	er Km	+	S/U		5
	lton 7		Item Gra	de :	S/U		
8 (Grain Size of Course	e Course	e – Water Bound I	Maca	dam		
T	est for Liquid Limit and	In St	age- ll or lll, 1 per	0	/U		5
\v.	olumetric Analysis for sessment of compaction of BM		ge-II or III, 1 per	0; 			
1500	rface Evenness using aight edge	In com	pleted WBM 2	-		NY	7
Thi WB	ckness of every layer of M.	2 per K		S/U		-	-
			Item C			7	
			Item Grade	S/U		5	

	1			Carpel (PM	11 1/6	The second	
	a	Level of clear liness of WI surface prior to application betuminous layer	BM r of	1 per Km		S/U	
	h	Quality of Prime Coat/ Tac Coat with respect to quality material and workmanship	k of	1 observation on the of inspection	day	S/U	
	C	Gradation Test for Course Aggregate (if the work in the item is ongoing)/visual observation in case of Grapleted tem of work.	e	I test on the day of inspection		SAL	3
The state of the s	A. S.	Grade of bitumen and temperature at the time of mixing and laying (if the worin the item is engoing)	k	I test on the day of inspection		S/U	Nn
The control of the control	e	Bitumen Extraction Test if PMC is complete	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	test per Km	5	5/L!	NIA
		Thickness of layer Surface Evenness in case of completed ET work		per Km	+-	/U	5
				Itom		/U	5
_			Item	Item Grad	e S.	U	
a	1.0	eadily of material for		Contract of the Contract of th	·		/
	15	noulders	per	Stage- II or III, 1 test Km	· S/S	SRI'U	1
b	120	egree of compaction	in :	Stage- II or III, 1 test Km	+-	RIU	
c	$\perp L^{T}$	hickness of layer	In S	Stage-II or III 2 tests	+		
1	The same	rade	per	KM	1	RIU	
	Iten	10 - Cross Drainage Works	- Ca	ID CONTON	S/\$1	યા	
	1500	ality of Material - Concrete			and (Culverts up	to 6 m.
	/]	er tileheging steeler			S /		Nn Nn S S
b		ositioning of pipes, wing s, cushion over H Pipes	All St	ages	S/SRI	/U	M
				Item Grade S.	/O.D.		
1.				State S	/SR1/	U	

	Item 11 - Si	de Drain and Catch Water	Drain	
:1	General quality of Side Drains Catch Water Drains and their integration with CDs.	/ All Stages	S/S/RI/U	
		Hem Grade		
	Item 12 - CC/ Semi Rig	id Pavements and Associat	ted Pukka Dra	ins
a 	Quality of Material – Concrete, Stone/ Concrete Block- Pavement etc.	In Stage- II or III, 1 per 100 m. Length of Pavement	S/U ,	
i)	Strength of CC in Concrete Pavement/Concrete Block Pavement	In Stage- II or III.1 per 100 m. Length of Pavement	S U	11100
	Quality of Workmanship – Wearing surface texture, Adequacy of setting of concrete, Joints. Edges etc.	In Stage- II or II]	S/U	
1	Thickness of Layer	In Stage- II or III, 1 per- 100 m. Length of Pavement	S/U	
		Item Grade	S/U	
	Item 13 - Re	oad Furniture and Markin		
	Citizen Information Board, Main Informatory Board, Quality and whether fixed during construction.	Stage-1	S/U	5
1 -	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 anguage.	Stage-I and III	S/U	<i>></i>

3

- -

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

Item No	e admg is given below:	1 100
Item No 1	Sub Item for Observation	T
Item No 2		Award
110 2	Site Clearance and Grubbing Quality Arrangement	Grade
Item No 3	Quality and Grubbing	3
Item No 4	Quality Arrangements	8
1		-
Item No 5 A	Earth Work and Sur	
Item No 5 B	Earth Work and Sub-grade in Embankment/	
Itom N	Earth Work in Cutting in Hilly/Rolling Terrain Base Co	
Item No 6	Sub-Base Sub-Base	Jacobs
Item No 7	Do Rolling Terrain	7
40.0		
Item No.8	Base Course Water Bound Macadam Bituminous Layer - Premix Carpet (PMC) Shoulders	
Item No 9	Surface Dressing (CD)	5
	Shoulders (SD)	N.W.
Item No 10	Cross Droi	
	Cross Drainage Works – Causeways of all	
Item No 11	spans and Culverts upto 6 m. span.	
	Side Drain and a	
tem No 12	Side Drain and Catch Water Drain	
140 12		_
em No 13	Pukka Drains	l
13	Road Furniture	1 h
	Road Furniture and Markings	, ,
	Overall Grading	h
	and the same of th	_ ^

Signature:	0
	M
Name:	29.12-18
Date:	memosh

Name of Road: Loys Haribola to Ranipatte

Package No :-

Date of Testing :-

Location ch. 48	30	Weight of S	BM Grade-III Materials ample taken:	32,500 (gr	n)
I.S Sieve designative	Weight of sample retained (g.)	Percent of Wt. retained (%)	Cumulative percent of Wt. retained (%)	Percentage of Wt.	Permissible Value
63 mm	0	3	h		
53mm	1220	2 62		100	100%
45mm	(200	3,80	3.80	96.20	95-100
22.4mm	25512	78:00	19.83	80.20	65-90
11.2:am	1420	70	94.50	1.50	0-10
age of filler materia	de -	4.40	98.90	1110	0-5

Sieve Analysis for WBM Grade-II Materials

I.S Sieve designative	Weight of sample retained (g.)	Percent of Wt. retained (%)	Cumulative percent of Wt. retained (%)		Permissible Value
90mm				Q (- /	
63mm					100%
53mm			+		95-100
45mm			-		25-75
22.4mm			 		0-15
Pan					0-5

Thicknes bf-st. SB 100 MA

Sieve Analysis for	G.S.B	Materials	(Grading I)
--------------------	-------	-----------	-------------

Location CH- 400M	Weight of Sample taken: 87672				(gm)
I.S Sieve designative	Weight of sample retained (g.)	Percent of Wt. retained (%)	Cumulative percent of Wt. retained (%)		Permissible Value
75mm					
26.5mm					100%
4.75mm					55-75
75Micron					10-30
					<10

Sieve Analysis for G.S.3 Materials (Grading II)

rocation Ch-	Weight of Sample taken:			(gm)	
I.S Sieve designative	Weight of sample retained (g.)	Percent of Wt. retained (%)	Cumulative percent of Wt. retained (%)	Percentage of Wt.	
53mm					
26.5mm					100%
4.75mm					50-80
75Micron					15-35
					<10

SQM/NQM/PQM