कार्यपालक अभियंता का कार्यालय ग्रामीण कार्य विभाग, कार्य प्रमंडल, त्रिवेणीगंज।

पत्रांक ा की... / त्रिवेणीगंज, दिनांक 29/12/2018/ महोप्श

ई0 सुरेश कुमार सिंह, कार्यपालक अभियंता।

सेवा में,

प्रेषक

सचिव, ग्रामीण कार्य विभाग, बिहार, पटना।

विषय :-दिनांक—28.12.2018 एवं 29.12.2018 को आवंटित पथों का निरीक्षण कर

निरीक्षण प्रतिवेदन उपलब्ध कराने के संबंध में।

प्रसंग :-भवदीय पत्रांक—1106 अनु० दिनांक—26.12.2018

महाशय,

उपर्युक्त विषयक प्रासंगिक पत्र के आलोक में ग्रामीण कार्य विभाग, कार्य प्रमंडल, मधेपुरा का आवंटित निम्नांकित 04 (चार) On-going Roads का निरीक्षण कर निरीक्षण प्रतिवेदन विहित प्रपत्र में भरकर समर्पित की जा रही है।

स्चनार्थ समर्पित।

Sr. No.	Division	Scheme Name	Road Name	Length
2	Madhepura	PMGSY	L045-Haribola To Ranipatti (VR45) L042-T 03 NH 106 Baheri Bajrangwali Chowk To Bahanga (VR42)	(in Km) 0.53
4	अन्0 :-	04 पर्थों का नि	L038-Piprahi To Jalwara (VR38) L022-T-02A To Patori (VR22)	1.50

अनु0 :— 04 पथों का निरीक्षण प्रतिवेदन।

विश्वास्नभाजन

कार्यपालक अभियंता ग्रामीण कार्य विभाग, कार्य प्रमंडल, त्रिवेणीगंज

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

GEN	ERAL: Work is Qngoing Completed
1.1. 1.2.	Date of Inspection: 28 12 2018
1.3. 1.4.	District: Madhenuma Plant
1.5.	Name of Road: From Lo42 TO3 NH 106 BAH PTORI TO Bas rongles Package No.: BR2017-141 Bangha chok
	Length 5:945 Km Flexible Pavement, 5:249.Km. CC/other Pavement .N.M
1.7.	Rs. 79, 11 Lakh
1.9.	Technical Sanction Cost: Rs. H. Lakh The Work is a Case of: New connectivity Lin and defined.
	Op gradation
1.10.	Terrain Plain Rolling Hilly
	Date of Start of the Work: 19 04 14
	Stipulated Date of Completion: 18 07 18 Actual Date of Completion (if work completed):
2.	PHYSICAL PROGRESS: (In case of On going and
Progra	mme and Physical Progress:

ltem	Completed percentage of Item	Dates for	Start	Completion	Delay in
Earth Work		completion Due	Date	Date	Months
CD THE	100 K	Actual			-
CD Works	1000	Due			2
Cash how '	1000	Actual	-35		
Sub-base i/c Shoulders	100,	Due			w.
	The same of the sa	Actual		a con	
base Course (Non- Bita.)	la	Duc		on you	
	,	Actual			ļ
Base /Wearing Course(Bitu.)	lan -	Due			
	,	Actual			
CC Pavement	1 cm	Due			
0:		Actual			
Signage etc	,	Due			
		Actual	- 60		

- 3 QUALITY CONTROL:
 - 3.1. Location of Field Laboratory: 0.0 km
 - 3.2. Quality Control Register Part-1 is maintained by: Machably N.O.
 - 3.3. Quality Control Register Part-II is positioned by:
- 4 E-SI ECTIONS 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:

	anement:		C. C.E.) deparimental and	
Date of Visit	Inspected By	Observation	ons (* CE) departmental offic	
26/03/18			Action Taken by Date	PIU with
	S.N. p	3/21	ATP Dome	/
	STAXMETHO		BTR Romov	
			S. Q M. BA Vide lessar no	1 Thatan
1	EY B.N	0	on det 29/4/2	276
	Thakwr-	S	N. A	
1 -101	irendra			7 - 1
10	umr	3	~	
~	randaj			
				1

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
	Bench marks @ 4 per km established	■ Sec	Carriage Way accurately established and referenced with Marker Pegs and Chainage	prepared Working Drawing for the work under progress is available (Y/N)
	(Y/N)		Boards (Y/N)	
	У	Y	, y	\rightarrow

Grading: Grade: Suggestions for in		U If this item is graded	SRI/U, write clear re-	asons and
		5		Market 1 250 - 1
	40	- /**		

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

#	Whether Clearing	and	Whether the materia	Name the reusable material
	Grubbing being done		available from	obtainable from clearance or
	as per DPR	and	scarifying existing work	scarification and indicate
	Material obtained	is	or clearing operations	approximate quantity and its
	being disposed	off	can be salvaged and	re-use by the RIU.
	properly (Y/N)		reused (Y/N)	2
	\checkmark		<i>></i>	>

	S SRI U	If this item is graded SRI/U, w	rite clear reasons and
suggestions for	improvement:		
	e	5	
	1.		
	T.		

3. QUALITY ARRANGEMENTS AND ATTENTION TO QUALITY - For all stages of work

Observations about Field Laboratory:

#	Whether Fi laboratory Established (Y/N)	eld List the equipments Available.	Whether adequate Equipments as per requirement of work are Available and are being used. (Y/N)
	Y	V	~

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
			y*		
				Jeel	
			modu	7	
		ما	100		
		O. c Road			
_		0	7		
					
_					

#	Based on quantities who mandatory conducted.	executed ether all tests	Whether QC Register Part I maintained as per provisions.	Whether QC Register Part II maintained and test results monitored as per
	Yes Part	ly No	Yes Partly No	Provisions. Yes Partly No
Gr	ading: Grade:	S SRI I	J If this item is graded SR	I/U, write clear reasons and
sug	gestions for	improvement:	5	

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

Observations -Road way width, Carriage way and Camber.

Ref.	Roadway	Carriage	Camber		and Camb		
RD	Width (m)	way Width (m)	in %	Ref.	Roadway Width (m)	Carriage way Width (m)	Camber in %
210	6.10	3.75	3.12	1 10 10	1		
				1050	6-10	3.78	3.0
						1000	
				1		Sec	

Observations - Super-elevation and Extra Widening at curves.

Ref.	Super	Extra		ig at curves.	
RD	Elevation	Widening	Ref. RD	Super Elevation	Extra Widening
1060m.	5.17	provided (Y/N)		Zievation	provided (Y/N)
		У У		A TV company	
	_	2			

Grade: S U improvement:	If this item is graded	U, write clear reasons and suggestions for
	5	
e projek		
		Suppose of the same of the sam

OBSERVATIONS REGARDING THE QUALITY OF ITEMS OF WORK:

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)
	24	

1	suggestions	10	oment.			rite clear reasor	is dll(I
-							
1:							
Ob	bservation -	Workman				v q	a 17/20 a
		WOLKINA)	iship fo	r Emba	nkment and Su	b-grade Const	
#	The state of the s	MDD kN	J/m ³	Field			
	(RD)	(As pe	r N	10isture	Field D	gree of Compac	ction
		record		Content	Field Density kN/m ³	Dry Density kN/m ³	Compaction adequate.
1				4	И		(Y/N)
1	1	5 12 4		9,09			
			1/100	<u> </u>	Helps I to	8	
		chat	00	× 1	1 24/4/1	- 1 -	
				3.A	and or		
٠,							
Gra	ide: S 1	U If this					
	rovement:	U II this	item is	graded (J, write clear re	asons and sugge	
						and sugge	estions for
							8
							11
			2				41
				,			
ery	vation – Sid	e slopes ar	1d profi	la:			
ery	vation – Sid						
erv	vation – Sid Location (RD) W	iether Si	de Clan		hether madic to	
ery	vation – Sid Location (RD) W		de Clan		hether profile is tisfactory (Y/N)	
erv	vation – Sid Location (RD) W	iether Si	de Clan		hether profile is tisfactory (Y/N)	
erv	vation – Sid Location (RD) W	iether Si	de Clan		hether profile is fisfactory (Y/N)	
ery	vation – Sid Location (RD) W	iether Si	de Clan		hether profile is fisfactory (Y/N)	

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

#	Location	Cut Slopes & Profile.	Adagust		
	(RD)	whether appears to be		slope	Formation is properly
		stable. (Y/N)		WOLKS	dressed and traffic
		(1/14)	executed. ()	(/N)	worthy. (Y/N)
•					
	g Auditoria				

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

Ref. Between	Longitudinal			ly/rolling terrain:	
RD& RD	Gradient	S/U	Ref. Between RD& RD	Longitudinal Gradient	S/U
		-			

improvement:	s item is graded U, write	clear reasons and s	suggestions for
	*		a,b a as
8 14 8 W. W. W.	*		

Observations - Quality of Material and Workmanship:

#	Locati			"orkmansnip:		
H	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)
				·		
			2	.6		

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

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)
				7	7		

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

Grade: S U If this item improvement:	is graded U, write clea	r reasons and suggesti	ons for
· · · · · · · · · · · · · · · · · · ·			

8. Bituminous Course: Premix Carpet/Surface Dressing/ BM/ MPM etc including Seal Coat: Observations - Quality of Material and Workmanship of BT Layer (in

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.):

Completey

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

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
		0			limits. (Y/N)

	rade: S nprovemen	U If thi	s iter	n is grade	d U. write	clear	asons and suggestions
""	nproveine)	nt:		smile or	- o, mine	clear re	asons and suggestions
1							
Ob.	servations	s - Workma	nchi	· · CDm ·			M (in case of complete
W01	·ks):	· · or kin a	usuit	of BT lay	er PMC/I	BM/MPI	M (in case of
#	Location		7771			~ .	" (in case of complete
	(RD)		1 h	ickness			
	()	Thicknes	ss in	Whether	thickness	Within	her surface evenness is
	7	mm		is adequa	te. (Y/N)	***************************************	acceptable limits. (Y/N
	700	20 10	× I	1.4	(3/3/)		
			/ -				9
						0 00	
- 1			-				2
						B	
Grad	le: S 1	U If this	:4				
mpro	vement:	11 (1115	nem	is graded	U, write cl	ear reaso	ons and suggestions for
							and suggestions for
	# III						
				86		· "	
							*
				$\dot{\mathcal{O}}$			
				5			
						A 1989 S. Edward	
Ob	servation	s - Quality o	of Cl				
		Quanty (ווט וי	oulders:			
RI) of	Thickness	1 11 11				
	O1	of love		ether	Whether	quality	William
	41011	of layer in	qua	lity of the	of cor	npaction	
		mm	mate	erial is	workmar	ipaciion	being constructed
			acce	ptable.	accental	iship is	Simultaneously
+			(Y/N	1)	acceptab	ie.(Y/N)	with sub-base and
							base course (Y/N)
							(1/14)
+-		D					
-	victoria de la constanta de la		~				
+							
•				- 1		1	1

6. 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 workmanship acceptable. (Y/N)	of is
		chelcoel	64 S. O.M.		

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

11. Side Drains and Catch water Drains: Observations:

#	Reference of RDs where side drain constructed.	Whether general quality of the side drains/ catchwater drains is acceptable. (Y/N)	are integrated to

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

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

#	Reference of RDs. CC/SR	RD at which	Thic	kness	General		General
	Pavements provided.	observati on made.	Thickness in mm	Acceptable (Y/N)	quality material acceptable. (Y/N)	of is	quality of workmanship acceptable(Y/N)
	249	1030	100 L	Y	(3.11)		14)

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

		9	
5			50 m
		· · · · · · · · · · · · · · · · · · ·	2.6
2 20 1 20 0	F		
			v S

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

Road Furniture and Markings

01			
Observations -	Itam No 14		
Main I C	110. 14 a: One	lity Day LD	
Main Informato	ry Roand D'	my Road Furnita	re and M.
	y board Fixed:	Value	re and Warkings:
Main informato	Item No. 14 a: Quary Board Fixed:	Yee No	re and Markings:

Citizen Information Board Fixed:

Grade: | S U 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

Yes	No
103	110
YPS	No

- Yes No
- Yes No

Grade: | S If this item is graded U, write clear reasons and suggestions for U 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): Cheked by S. a.M.

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:

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

		Sub Item for Observa	tion	Stage of Worl	۲	Award Grad		Award Grade
	_	Item 1	- Sei	ting Out and Working				5
	a	Bench Mark and Centre L	ino	out and Working	g Di	awing		
	b	Availability of Working	.1116	All Stages		S/SRI/U		5
		Drawing		All Stages		S/SRI/U		0
		Item	$\frac{1}{2-S}$	Item Gr	ade	S. SRI/U		3.
	a	Site Clearance and Grubbin	- 13	ite Clearance and Gru	ıbbi	ng		
	b	Re-use of Salvageable Mate	ng orial	Stage-I		S/SRI/U		8
		g-wore ividi	chal	Stage-I		S/SRI/U	-	
				Item Gra	nde	S/SRI/U		S
1	a	Ovolite	m 3.	· Quality Arrangemen	ts			5
-	•	, mangements	1	All Stages				
	b	Number of Mandatory Tests per prescribed frequency	1	All Stages	- 1	S/SRI/U	-	5
0		Maintenance of QC Register	2			S/SRLU		S
				All Stages		S/SRI/U	1	5
				Item Grac	le	S/SRI/U		
	Τ,		Iter	n 4 – Geometrics			15	<u> </u>
a	+	Read way width	2 i	per Km in every	5	S/U		e R
b	(Carriageway width	2	per Km in every	+		>	
c	C	Camber	- Ir	ispection	S	5/U	9	
,	S	uper-elevation & Extra	12	per km	S	/U	5	
d 	W	/idening at Curves	1	curve in each km	S	U ·		3
				Itom C	+			
_		Item 5A - Earth Work	and	Item Grade	S/	U		
	On	ality of M	T.	Sub-grade in Embank	mei	nt/ Cutting		
	Em	ality of Material for abankment/ Sub-grade	111	Stage-I, I per km/	S/L		S	
1	Cor	npaction	In S In S km	tage-I, 2 per km/ tage- II or III, 2 per	S/U			
	Side	e Slopes and Profile	KIII	r km in Store IV	S/U		>	

		Work in Cutting in H		olling Terr	ain
	Stability and Workmanship Cull Slopes	Stage I and II, at critical locations maxima in height coming in each Er	with of	SU	
1;	Adequacy of Slope Protecti	on All Stages - In ge	neral	S/U	
c	Upon completion of formati cutting, dressing, traffic worthiness	on At Stage III, at 2 of locations with mat height of cutting it km	רנווורווֹא		
d	Longitudinal Gradient	Stage II III - 1 crit and fairly represen stretch of 200m in Km	tative	S/U	
		Item (Grade	S/U	
		Item 6 - Sub-Base			
	Quality of Material				
	Grain Size	In Stage- II or III. 1	d: 54.5	S/U	5
) .	Plasticity	km	per	S/U	
	Compaction	In Stage- II or III, 1	per	S/U	
	Total Thickness of Layer	2 per Km		S/U	
		Item G		S/U	
T	ltem 7 - Base	Course – Water Bound	l Maca	ıdam	
	Grain Size of Course Aggregate		T	s/U	8
-	Test for Liquid Limit and Plasticity Index in case fine aggregates are crushable pyter	In Stage- II or III, 1 p		i U	5
1 3	Volumetric Analysis for assessment of compaction of WBM	In Stage- II or III, I pe	er S	/U	5
S	Surface Evenness using traight edge	In completed WBM 2 tests per km	S	/U	0
V	Thickness of every layer of VBM.	2 per Km	S/		5
	The second secon		- 67		

The Grant Charles Control Charles Char	rade 10 - Cross Drainage Work ality of Material - Concrete be brick masonry. He was including size as: lity of Workmanship such ositioning of pipes, wing a, cushion over H Pipes	In St.	age- II or III, 1 tes Im age- II or III, 2 test m seways of all span pan.	t S.		pto 6 m.
The of tension of the original original original original original original original original original origina	rade 10 - Cross Drainage Work lity of Material - Concrete nef brick masonry. He says including size set	in St. per k	age- II or III, 1 tes Im age- II or III, 2 test m seways of all span pan.	t S.	SRIU	pto 6 m.
Th n Gi teni	ickness of layer rade 10 - Cross Drainage Work	In St.	age- II or III, 1 tes Km age- II or III, 2 test m	t S.	SRIU	pto 6 m
Th n Gi	ickness of layer	In St.	age- II or III, 1 tes Km age- II or III, 2 test m	t S.	SRIU	
Th	ickness of layer	In St	age- II or III, 1 tes (m age- II or III, 2 test	t S.		
E. a	Control of the contro	In St	age- Il or III 1 tes	t	/SRI-II	
a Quality of material for shoulders b Degree of compaction		in Stage- II or III, 1 test per Km In Stage- II or III, 1 test per Km		1 1)	101/11 (T	
				st o	"/CD141	
T		Item 9	The second secon	ide !	S/U	5
		The second second				
S	Thickness of layer Surface Evenness in case of completed BT work		2 per Km			5
						5
	Bitumen Extraction Test if PMC is complete	p.rou	est per Km		\$/11	
i	mixing and laying (if a	ork in	test on the day of specifical		S/U	5
c	Aggregate (if the work in the item is ongoing)/visual observation in case of campleted item of work.	the	test on the day of nspection		S/U	5
h	material and workmanship	ty of	l observation on the of inspection	he day	S/U	>
a	bituminous layer	on of	1 per Km	MC)/	Surface D	ressing (Sh
	h C C S C C S h	Duality of Prime Coat/ Traction Test for Course Aggregate (if the work in item is ongoing)/visual cobservation in case of campleted item and temperature at the time of mixing and laying (if the win the item is engoing) Bitumen Extraction Test if PMC is complete Thickness of layer Surface Evenness in case of ecompleted BT work Quality of material for shoulders	Quality of Prime Coat/ Tack Coat with respect to quality of material and workmanship Gradation Test for Course Aggregate (if the work in the item is ongoing)/visual observation in case of completed item of mixing and laying (if the work in the item is engoing) Bitumen Extraction Test if PMC is complete Thickness of layer 2 p Surface Evenness in case of completed BT work Quality of material for In S Item 9 Quality of material for In S	Surface prior to application of bituminous layer 1 per Km	Surface prior to application of bituminous layer 1 per Km	Strate prior to application of bituminous layer 1 per Km

General quality of Side Drai Catch Water Drains and thei integration with CDs. Item 12 - CC/ Semi R Quality of Material - Concrete Stone/ Concrete Block- Pavement etc. Strength of CC in Concrete Pavement/ Concrete Block Pavement Quality of Workmanship -	All Stages Item Grade Rigid Pavements and Associate	S/SRI/U S/SRI/U	ins
Quality of Material – Concrete Stone/ Concrete Block-Pavement etc. Strength of CC in Concrete Pavement/ Concrete Block Pavement Quality of Workmanship –	ete, In Stage- II or III, 1 per 100 m. Length of Pavement In Stage- II or III, 1 per 100 m. Length of	sed Pukka Dra	ins
Quality of Material – Concrete Stone/ Concrete Block-Pavement etc. Strength of CC in Concrete Pavement/ Concrete Block Pavement Quality of Workmanship –	In Stage- II or III, 1 per 100 m. Length of Pavement In Stage- II or III, 1 per 100 m. Length of	S/U	ins
Quality of Material – Concrete Stone/ Concrete Block-Pavement etc. Strength of CC in Concrete Pavement/ Concrete Block Pavement Quality of Workmanship –	In Stage- II or III, 1 per 100 m. Length of Pavement In Stage- II or III, 1 per 100 m. Length of	S/U	<
Pavement/Concrete Block Pavement Quality of Workmanship –	100 m. Length of	STI	
Quality of Workmanship -		130	5
Wearing surface texture, Adequacy of setting of concrete, Joints. Edges etc.	In Stage- II or II]	S/U	5
Thickness of Layer	In Stage- II or III, 1 per- 100 m. Length of Pavement	S/U	5
	Item Grade	S/U	
Item 13	- Road Furniture and Markin	ngs .	
Citizen Information Board, Main Informatory Board, Quality and whether fixed during construction.	Stage-1	S/U	5
Logo boards, 200 m stones ar Km stones, quality and whether fixed after completio	S1222 III	S/U	5
Whether the information in boards is given in local language.	Stage-I and III	S/U	3
	Jun German	/	

30

B

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

Item No.	Sub Item for Observation	T Associate
	Setting Out and Warren	Awarded
Item No 2	Site Clearance and Grubbing Quality Array	Grade
Item No 3	Quality A.	13.
Item No 4	Quality Arrangements Geometrics	9
Item No 5 A	Earth Work and C	9
Item No 5 B	Earth Work and Sub-grade in Embankment/	5
Item No 64-2	Earth Work in Cutting in The	3
Item No 71	Sub-Base Base Co.	3
Item No.8	Base Course Water Bound Macadam Bituminous Layer - Proceedings of the Bound Macadam	3
Item No 9	Bituminous Layer - Premix Carpet (PMC)/ Shoulders	9
Item No 10	Cross Drainage W.	
Item No 11	spans and Culverts upto 6 m. span. Side Drain and Catch Water Drain	3
tem No 12	CC/ Semi Rigid Pavements and Associated .	
ivm/No 13	Road Euroiture and Markings	3
	Overall Grading	

	0
Signature:	X. House
Name:	Dr. 78/18
Date:	

Name of Road: - 4042 TO3 NH 106 BAHERI Bayrang walichok to Banglu
Package No: BR20R-17)

Date of Testing: 28/12/2018

Location ch. 7 oc	mitar o		BM Grade-III Materials ample taken:	35°500 (gr	m)
1.S Sieve designative	Weight of sample retained (g.)	Percent of Wt. retained (%)	Cumulative percent of Wt. retained (%)		Permissible Value
63 mm	0	D			
53mm	1349	2 60	0	100	100%
45mm	11750	3,80	3.80	96.20	95-100
22.4mm	23146	33.10	29.30	70.70	65-90
11.2ram	1562	65.20	94.50	5.50	0-10
6 age of filler materia		4, 46	98,90	1.10	0-5

21.21/0

Sieve Analysis for WBM Grade-II Materials

			T. 1	
Weight of sample retained (g.)	Percent of Wt. retained (%)		Percentage of Wt.	Permissible Value
			21.7	
		+		100%
	_/			95-100
		-		25-75
		-		0-15
	· · · · · · · · · · · · · · · · · · ·			0-5
		Weight of Sarr Weight of sample Percent of Wt.	Weight of Sample taken: Weight of sample Percent of Wt. Cumulative percent	Weight of sample Percent of Wt. Cumulative percent Percentage of Wt.

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

I.S Sieve designative	Weight of sample retained (g.)	Percent of Wt. retained (%)	Cumulative percent of Wt. retained (%)		(gm) Permissible Value
75mm	<i>e</i> *1	(,2)	or vv. retained (%)	Passing (%)	
26.5mm					100%
4.75mm			-		55-75
75Micron					10-30
1					<10

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

Location Chi-		Weight of Same	le taken:	(gr	m)
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
70171101011		1	1		<10

Ti .

SQM/NQM/PQM

AE