

694

4

MEASUREMENT BOOK

Rajesh Kumar Maadhwar

SUB DIVISION

ISMILEPUR

DIVISION

Moh! Tola

N/R-Laxmipur Durga Asthan to Sudan Tola

P.W.D.

New Maintenance Policy 2018

Schedule XLV Form N.134



Particulars	No.	L	B	D	area
1st and Final Bill					
Name of work -	Maintenance Construction of Road from				
	Laxripur Durgasthan To				
	Sudan Tola Mohitola				
	under 3054 MR(NMP-				
	2018) scheme under				
	Ismailepur Block.				
Name of Agency -	Rajesh Kumar				
	Madhukar, Dist - Anchal -				
	Bihar, Dist - Bhagalpur.				
	BIHAR.				

Package No - MR-N/19-20 Hargochhiya/07
 Agreement No - 05 MBD/2020-21
 Date of start - 20/02/2021
 Date of Completion - 19/11/2021

Record Entry

Date - 12/07/2022

① clearing and grubbing
 Road land (By manual
 means) including
 uprooting wild vegetation
 etc - do -

2 x 3150 m x 1.0 = 6300 m²

or, 0.63 Ha

(Continuation)

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
ABSTRACT of COST					
①/1	clearing and grubbing Road Land (by manual means) — do — same qty vide Tms 8 9 tem - 12 Page - 1				
0.63 Ha @ 5113 3.76/Ha — Rs					32214=00
②/2+23	Const'n of subgrade & Earthen shoulder with approved material laid up to 1000 m — do same qty vide Tms 8 9 tem - 23 Page - 2/6				
2048.70 m ² @ 176.86/m ² — Rs					3,62333=00
③/3+22	Box cutting, excavn for roadway in soil using manual means — do same qty vide Tms 8 9 tem - 12 Page - 6/9				
810.735 m ³ @ 74.16/m ³ — Rs					60124=00

(Continuation) Rs 454671=00

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
④/4+24	Construction of USB				
	with well graded				
	material for Ur-1				
	— old —				
	same qty vide T.M.B				
	9 tem - 2 Page - 9/12				
	$514.811 \text{ m}^3 @ 1495.23 \text{ m}^3$				$8 \times 769761 = 00$
⑤/5+25	Plv laying, spreading				
	and compacting				
	stone aggregate of				
	WBM Ur-2 — old				
	same qty vide T.M.B				
	9 tem - 3 Page - 12/15				
	$220.6365 \text{ m}^3 @ 2570.69 \text{ m}^3$				$8 \times 567188 = 00$
⑥/6+26	Plv laying, spreading				
	and compacting				
	stone aggregate of				
	WBM Ur-3 — old				
	same qty vide T.M.B				
	9 tem - 4 Page - 15				
	$220.6365 \text{ m}^3 @ 2345.69 \text{ m}^3$				$8 \times 517545 = 00$
⑦/7+27	Plv lapthing				
	Primer coat with				
	Bitumen Emulsion				

(Continuation) P. 2309165=00

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
(8-1) on prepared surface — do					
same at vide Tmrs					
9km - 12 bags - 16					
$2941.82 m^2 @ 42.76 m^2$ — R ₁					125792=00
⑨/8+28 Pls and applying tack coat with bitumen emulsion (R-1) on prepared surface — do					
same at vide Tmrs					
3880.20 m ² 9km - 22 bags - 16/18					
12241.95 m ² 9km - 12 bags - 19/21					
$16122.15 m^2 @ 14.53 m^2$ — R ₂					234255=00
⑩/9+29 providing, laying and rolling of close graded premix surface material by M.S on patch work — do					
same at vide Tmrs					
9km - 32 bags - 18					
$3880.20 m^2 @ 183.68 m^2$ — R ₂					712715=00
⑩/10+30 providing and					

(Continuation) R₂ 3381927=00

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
laying semi drive					
aspirinuous concrete					
with 100-120 TPH					
— wala —					
same Qty vide T.M.2					
9 km - 28 Page - 22					
306.05 m ³ @ 198.38/m ³ —					6028.15164 = 00
(10/11					
plv & fixing rec					
m-15 grade kilometre					
local gram - do					
same at vide T.M.2					
9 km - 30 Page - 23					

4 Nov @ 1842.66/km - Rx	737/100
12/12	plv mixing Rce
	ms gravel
	200 m store - do
	same old wide trans
	4 km - 3000 x Page 23
13 Nov @ 533.68/km - Rx	6938-00
13	plv mixing of
	Retro-Relativized
	Canonically mandatory
	and informative
	sign - do -

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
(i) 14+32	600 mm equilateral				
	x triangle				
	Same qty wide T.M.B				
	9 km - 403 / Page - 23				
13 Nos @	3507.89 / Nos				45603=00
(ii) 15	600 mm circular.				
	Same qty wide T.M.B				
	9 km - 403 / Page - 23				
2 Nos @	3667.30 / Nos				11002=00
(iii) 16	600 mm x 450 mm				
	Rectangular				
	Same qty wide T.M.B				
	9 km - 4 (M) / Page - 23				
6 Nos @	3532.79 / Nos				21197=00
(iv) 17	Pls fixing Rel				
	m-15 grade boundary				
	Pillar / local flare - do				
	Same qty wide T.M.B				
	9 km - 52 / Page - 23				
38 Nos @	480.46 / Nos				18257=00
(v) 20+34	Pls laying of				
	Road marking				
	with Hot applied				

(Continuation) Rx 6307459=00

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
Therapeutic					
Compound with					
replating glass					
roads on R.T					
surface - do					
same 84 wide Tim.0					
94m-2280g-22/25					
638.0m ² @ 38 C.A/m ² - 844					69211=00
(16)/21					
ply & birch 10g0					
of material 10g0					
— do —					
same at 10g0					
94m-18 10g0-22					
2 More 8827.91 10g0-18					17656=00
(17)/31					
ply & birch of					
Road studs 100x					
100mm dia lat in					
aluminium - do					
same 84 wide Tim.0					
94m-68 10g0-29					
36 mls @ 218.85 10g0-68					7879=00
(18)/33					
ply & birch of					
Ratio 10g0-18					
same 84 wide Tim.0					

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
		inter. w. g. n.			
		900mm side octagon			
		— do —			
		Same oct wide time			
		9 km - 4(4) P lag - 23			
2 Nos @		7692.16 / 1601 - 8A			15384=00
(19)/35		Brick masonry			
		work in cement			
		mortar (1:3) in			
		Parapet - do			
		Same oct wide time			
		9 km - 7(11) P - 2A			
3.948 m ² @		136.37 / m ² - 8A			20278=00
(20)/36		plastering with			
		cement mortar			
		(1:4) on brick			
		work in substructure			
		— do —			
		Same oct wide time			
		9 km - 7(11) P lag - 24			
38.14 m ² @		135.98 / m ² - 8A			5186=00
(21)/37		Painting two coats			
		including primer			
		Coat with after			
(Continuation) 8A 6843053=00					

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
billings the surface					
with synthetic					
enamel paint - do					
same at vide T.M.B					
9 km - 7(11) 1/2 - 24/25					
38.14 m ² @ 97.18 / m ² - RA					3706=00
					RA 6846759=00
Add G.S.T @ 12% - (+)					821611=00
Add L.C.S.A @ 1% - (+)					68468=00
Add S.F @ 10% - (+)					68753=00
					82019=00
					RA 7805591=00
					7818857=00
Veget:					
4/03/22					
Sic					

cap
 13/09/22
 64/11/22
 A.B

कार्यपालक अभियंता का कार्यालय
ग्रामीण कार्य विभाग कार्य प्रमंडल, नवगछिया
Email Id-eeavgachhiya@gmail.com

पत्रांक 1411 अकू०

नवगछिया/ दिनांक :- 13/09/2022

प्रेषक,

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल नवगछिया।

सेवा में,

नोडल पदाधिकारी,
नई अनुरक्षण नीति 2018
ग्रामीण कार्य विभाग,
विश्वेश्वरैया भवन, वेली रोड, पटना।

विषय:- नई अनुरक्षण नीति 2018 अन्तर्गत पथ में आबंटन उपलब्ध कराने के संबंध में।

महाशय

उपर्युक्त विषय के संबंध में कहना है कि संलग्न विवरणी अनुसार नई अनुरक्षण नीति 2018 के निर्माण कार्य मद में राशि 78.18857/- लाख रुपये का आबंटन उपलब्ध कराने की कृपा की जाय ताकि संवेदक द्वारा कराये गये निर्माण कार्य का भुगतान किया जा सके।

अनु०- Requisition Format, Form GFR 19-A and IRI Report

विश्वसभाजन

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल नवगछिया।

13/09/2022

Registration Format for Scheme Head-MR(3054) under Bihar Rural Road Maintenance Policy -2018(Initial Rectification and Surface Renewal)

Name of Division:- RWD Works Division Navgachhiya

Name of Division:- RWD Works Division Navgachhiya																		
Sl. No.	Package No.	Name of Road	Project ID as per MIS	Administrative Approval(AA) Letter No. & Date	Administrative Approval(AA)		Agreement Amount (In Lacs)		Agreement No.& Date	Date of Completion as per Agreement	Actual Date of Completion	Value of IRI (in MM/KM)	Thickness of Bitumen Layer (in mm)	Value of Bitumen Content in Percentage	Previous Total Allocated Amount (in Lacs)	up-to date expenditure as per MIS (in Lacs)	Registration against work done (in Lacs)	Remarks
					Length (in Km)	Amount (in Lacs)	Initial Rectification with Surface Renewal(In Lakh)	3 Year Routine Maintenance in Lakh										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	MR-N/19/20 Navgachhiya/07	Arsandi Dhala to Meera Chowk	20703202032	2-Dec-19	1.900	56.831	38.9511	16.0869	05NBD/2020-2021	19.11.2021	14.03.2022	2319	25	5	0.00000	0.00000	0.00000	
		Road Mo.14 Gayatri Mandir to Bihpur	20703302035	2-Dec-19	0.810	23.498	17.5209	5.05492							0.00000			
		Bihpur Railway Cabin East PWD Road No.14 to Haeijan Tola Jhandapur Via Sheikh Tola	27331032605	2-Dec-19	2.800	71.411	51.6488	17.48			28.04.2022	2929	25	5	0.00000	0.00000	0.00000	
		Laxmipur Durga Asthan to Sudan Tola Moti Tola	20703201049	2-Dec-19	3.150	114.58	79.4788	19.6701			04.09.2022	2970	25	5	0.00000	78.18857	78.18857	

1. Signed Hard Copy and soft copy(in excel) of record IRI is enclosed.
2. Up-to-date Physical Progress has been uploaded in MIS

Executive Engineer
RWD Works Division
Navgachhiya

13/09/2022

FORM GFR 19-A

(See Government of India's Decision (I) below Rule-150
Form of Utilization Certificate up to the Month September 2022
Rural Road New Maintenance Policy 2018

PU - R.W.D. Works Division Navgachhiya

Sl. No.	Name of Scheme	Sanction No. & Date with Amount (in Lacs Rs.)	Amount Received (in Lacs Rs.)	Particulars
1	Construction of Rural Roads under Rural Road New Maintenance Policy 2018	Letter No C.E-4(HQ) 3054-04-05/2022 22(Encl)/Patna, Date: 08.08.2022	1232.96713	Certified that out of Rs.1232.96713 Lakhs received upto the Financial year 2021-22 in favour of Ex. Engineer, the Financial year 2021-22 in favour of Ex. Engineer, RWD, Navgachhiya a sum of Rs.1232.93594 lakhs has been utilized for the purpose of Rural Road New Maintenance Policy 2018 Schemes as given in the margin for which it was sanctioned and that the balance of Rs.0.03119 lakhs the end of the period under.
Total			1232.96713	

2. Certified that I have satisfied myself that the conditions on which the grants in aid was sanctioned have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of Checks exercised-

- Works have been supervised by Executive Engineer/Superintending Engineer
 - Periodical inspection has been conducted by Executive engineer/Superintending Engineer
 - Construction materials have been tested.
 - Measurements have been recorded in the MIBs and test check conducted by the Assistant Engineer / Executive Engineer
 - All other codal formalities have been observed.
3. Physical Progress achieved-
- Construction of Road Works
 - Construction of C.D. Works

D.A.O.
Rural Works Department
Works Division, Navgachhiya

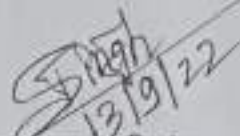
Executive Engineer
Rural Work Department
Works Division, Navgachhiya
13/09/2022

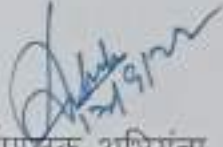
कार्यपालक अभियंता का कार्यालय
ग्रामीण कार्य विभाग कार्य प्रमंडल, नवगछिया

Email Id-cenavgachhiya@gmail.com

प्रमाणित किया जाता है कि शीर्ष 3054(MR) नई अनुरक्षण नीति 2018 योजनान्तर्गत Laxmipur Durga Asthan to Sudan tola Moti Tola पथ का निर्माण कार्य पूर्ण कर दिया गया है जिसमें कनीय अभियंता द्वारा मापी पुस्त में दर्ज सभी मदों की मापी जॉच शत प्रतिशत की गई एवं सहायक अभियंता के द्वारा 50 प्रतिशत की गई तथा कार्यपालक अभियंता के द्वारा 10 प्रतिशत मापी की जॉच की गई जो गुणवत्ता पूर्ण एवं विशिष्टियों के अनुरूप है।


13/11/22
कनीय अभियंता


13/11/22
सहायक अभियंता


कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल नवगछिया

Lab Job number :67

Date :14-08-2022

Name of Customer :Rajesh Kumar Madhukar
Name of Work/ Road :Laxmipur Durgasthan To Sudan Tola Moti Tola

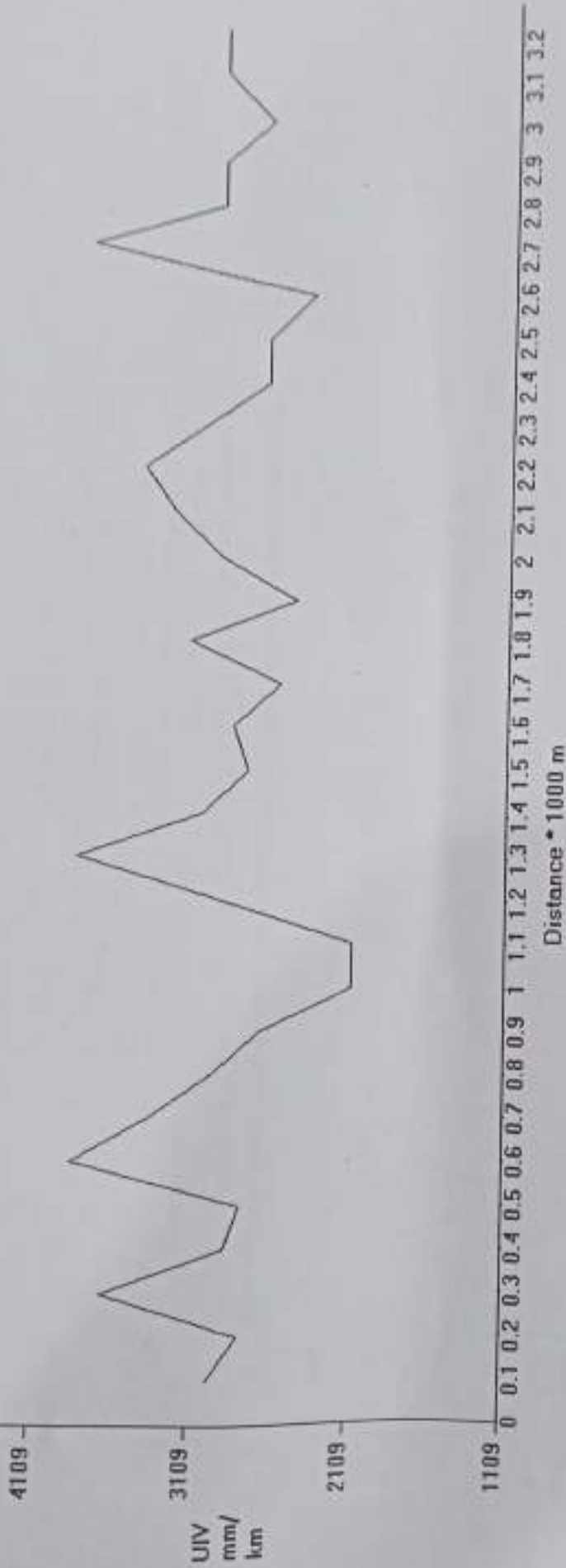
Sr.no	Location of test(in km)	Corrected U.I value(mm/km)	Road catagory
1	0.1	2981	G
2	0.2	2787	G
3	0.3	3659	G
4	0.4	2884	G
5	0.5	2787	G
6	0.6	3853	G
7	0.7	3369	G
8	0.8	2981	G
9	0.9	2690	G
10	1	2109	G
11	1.1	2109	G
12	1.2	2981	G
13	1.3	3853	G
14	1.4	3078	G
15	1.5	2787	G
16	1.6	2884	G
17	1.7	2593	G
18	1.8	3175	G
19	1.9	2497	G
20	2	2981	G
21	2.1	3272	G
22	2.2	3466	G
23	2.3	3078	G
24	2.4	2690	G
25	2.5	2690	G
26	2.6	2400	G
27	2.7	3792	G
28	2.8	2981	G
29	2.9	2981	G
30	3	2690	G
31	3.1	2981	G
32	3.2	2981	G

W. D.
14/08/2022
J.E

Executive Engineer
R. W. D. W. D. Naup

File: E:\new\67\16081612.Xls. Section No. 67. Eqn: $Y = 0 \cdot X^2 + 0.969 \cdot X + 74.60$

Name of Customer: Rajesh Kumar Madhukar. Name of Work/Road: Laxmipur Durgasthan To Sudan Tola Moti Tola.



R. W. D. W. D. Naugachia
Executive Engineer
R. W. D. W. D. Naugachia

1A/08/022-
J-E

Name of Customer: Rajesh Kumar Madhukar
 Name of Work/ Road: Lamipur Durgasthan To Sudar
 Lab Job number: 14-08-2022
 Date: 14-08-2022
 Section No.: 67

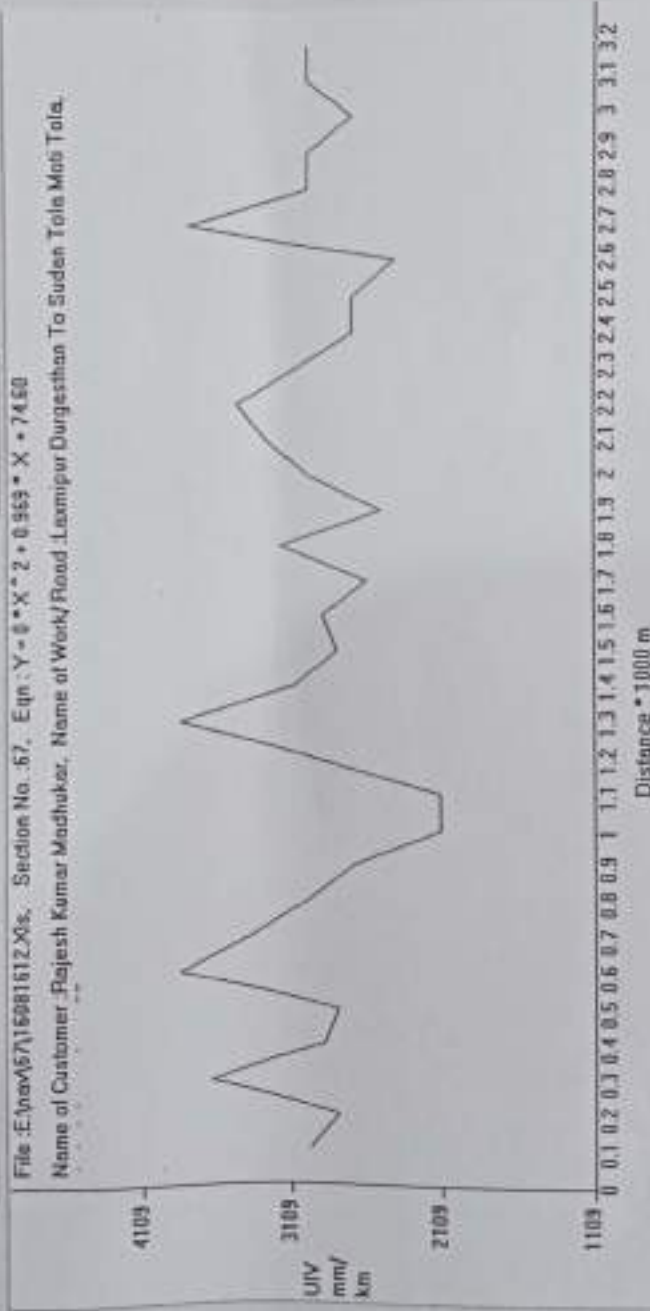
Test Date: 14-08-2022
 Machine No: 382
 Start S No:
 Start E No:
 Weather:
 Start Location: 232 87.093315
 End Location: 952 87.07992
 Road Name: jathan To Suden Tola Mob Tola
 Road Type: (R) RURAL ROAD
 Side:
 UIV Range: 1109 To 5010
 Dist Range: 0 To 33
 Interval: 1000 mm/km
 Equation: $Y = 0.000002 \times X + 74.60$

Print Generate Report and Graph

Redraw Graph

Map View

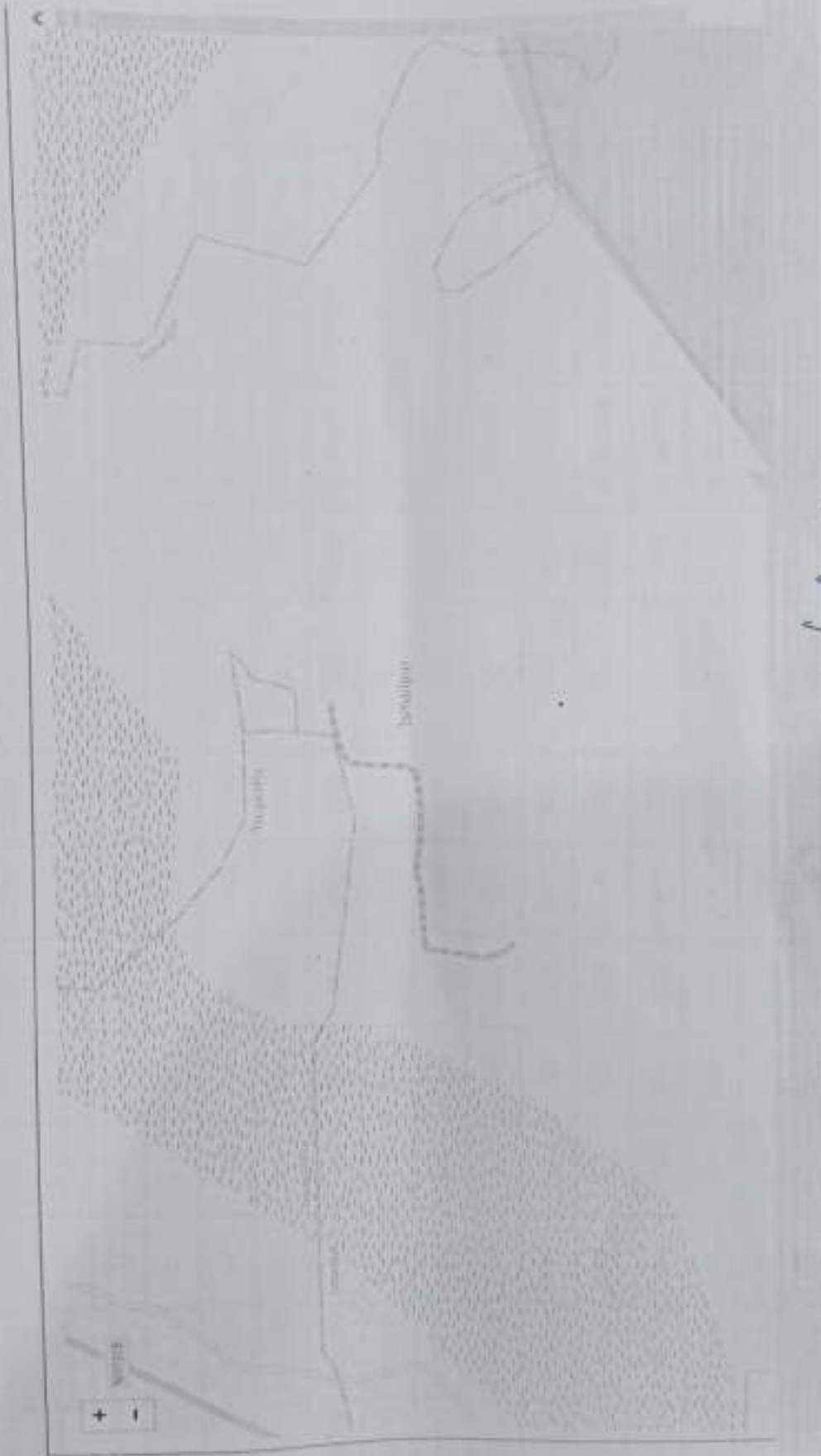
File: E:\new\57\16281612.Xls, Section No. 67, Eqn: $Y = 0.000002 \times X + 74.60$
 Name of Customer: Rajesh Kumar Madhukar, Name of Work/ Road: Lamipur Durgasthan To Suden Tola Mob Tola.



14/08/22
 J.E

Executive Engineer
 P. W. D. W. D. Nangachia

File :E:\nav\67\16081612.Xls, Section No. :67, Eqn : $Y = 0 \cdot X^2 + 0.969 \cdot X + 74.60$



[Signature]
 Executive Engineer
 R. W. D. W. D. Naupachia

[Signature]
 14/08/2022
 3.5

Name of Customer :Rajesh Kumar Madhukar
Name of Work/ Road :Laxmipur Durgasthan To Sudan Tola Moti Tola

Date	Time	Section No.	Length in km	Bumps in mm	Speed Rate	OR		CATEGORY ROAD	IRI	Latitude	Longitude	Event
						mm/km	UIV					
14/8/22	9:39:33	67	0.1	300	0	3000	2981	G	4	25.328232	87.098315	Normal
14/8/22	9:39:33	67	0.1	280	20.2	2800	2787	G	3.77	25.32812	87.097357	Normal
14/8/22	9:40:08	67	0.1	370	20.2	3700	3659	G	4.8	25.328	87.096397	Normal
14/8/22	9:40:08	67	0.1	290	20.2	2900	2884	G	3.88	25.327792	87.095453	Normal
14/8/22	9:40:43	67	0.1	280	20.2	2800	2787	G	3.77	25.327587	87.094562	Normal
14/8/22	9:41:18	67	0.1	390	20.2	3900	3853	G	5.03	25.327222	87.093753	Curve
14/8/22	9:41:18	67	0.1	340	20.2	3400	3369	G	4.46	25.326325	87.093585	Speed Breaker
14/8/22	9:44:15	67	0.1	300	20.2	3000	2981	G	4	25.325445	87.093552	Normal
14/8/22	9:44:50	67	0.1	270	20.2	2700	2690	G	3.65	25.324602	87.093348	Normal
14/8/22	9:45:00	67	0.1	210	20.2	2100	2109	G	2.94	25.323688	87.09338	Normal
14/8/22	9:45:25	67	0.1	210	20.2	2100	2109	G	2.94	25.32308	87.092995	Normal
14/8/22	9:45:25	67	0.1	300	20.2	3000	2981	G	4	25.323055	87.09202	Normal
14/8/22	9:46:11	67	0.1	390	20.2	3900	3853	G	5.03	25.32294	87.091043	Speed Breaker
14/8/22	9:47:11	67	0.1	310	10.1	3100	3078	G	4.12	25.322912	87.09007	Normal
14/8/22	9:48:57	67	0.1	280	10.1	2800	2787	G	3.77	25.322892	87.089107	Normal
14/8/22	9:49:32	67	0.1	290	10.1	2900	2884	G	3.88	25.322897	87.088232	Normal
14/8/22	9:50:08	67	0.1	260	10.1	2600	2593	G	3.53	25.323008	87.087255	Normal
14/8/22	9:50:08	67	0.1	320	20.2	3200	3175	G	4.23	25.323122	87.08638	Normal
14/8/22	9:50:43	67	0.1	250	30.3	2500	2497	G	3.42	25.323218	87.085318	Normal
14/8/22	9:51:00	67	0.1	300	30.3	3000	2981	G	4	25.3231	87.084477	Normal

(R) RURAL ROAD

Good Average Poor
 <4000 4001-5000 >5001

$$Y = 0.5 \cdot X^{1.2} + 0.969 \cdot X + 74.46$$

X = 3000
 Y = 2981

Executive Engineer
 R. W. D. W. D. Naugachia

14/08/22
 14/5-6

$$Y = 0.0001X + 1.0000$$

Date	Time	Section No.	Length in km	Bumps in mm	Speed Rate	OR		CATEGORY ROAD	IRI	Latitude	Longitude	Event
						mm/km	UIV					
14/8/22	9:51:18	67	0.1	330	30.3	3300	3272	G	4.35	25.322925	87.08347	Normal
14/8/22	9:51:18	67	0.1	350	30.3	3500	3465	G	4.58	25.322888	87.082525	Normal
14/8/22	9:51:53	67	0.1	310	30.3	3100	3078	G	4.12	25.32291	87.081582	Normal
14/8/22	9:52:0	67	0.1	270	20.2	2700	2690	G	3.65	25.322845	87.080605	Normal
14/8/22	9:53:4	67	0.1	270	20.2	2700	2690	G	3.65	25.322745	87.079562	Normal
14/8/22	9:53:39	67	0.1	240	20.2	2400	2400	G	3.3	25.321958	87.07941	Normal
14/8/22	9:54:50	67	0.1	330	20.2	3837	3792	G	4.96	25.32122	87.079242	Normal
14/8/22	9:54:58	67	0.1	300	20.2	3000	2981	G	4	25.32033	87.07915	Normal
14/8/22	9:55:0	67	0.1	300	20.2	3000	2981	G	4	25.31942	87.07894	Normal
14/8/22	9:55:30	67	0.1	270	20.2	2700	2690	G	3.65	25.31844	87.07923	Normal
14/8/22	9:55:45	67	0.1	300	10.1	3000	2981	G	4	25.31792	87.07966	Curve
14/8/22	9:56:0	67	0.05	150	20.2	3000	2981	G	4	25.31762	87.07992	Normal

Total UIV 95040
Average UI 2970

11/8/22
14/08/22
J.E

[Signature]
Executive Engineer
R. W. D. W. D. Naugachia