

कार्यपालक अभियंता का कार्यालय
ग्रामीण कार्य विभाग, कार्य प्रमंडल, दाउदनगर

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पत्रांक.....1172.....

दाउदनगर / दिनांक.....09/08/2022.....

प्रेषक,

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, दाउदनगर

सेवा में,

नोडल पदाधिकारी (MR 3054)
ग्रामीण कार्य विभाग
पटना, बिहार

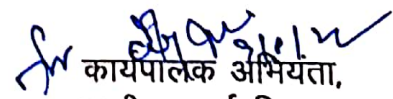
विषय :- नई अनुरक्षण नीति-2018 MR (3054) योजना के अंतर्गत पथ में कराये गये कार्य के विरुद्ध आवंटन उपलब्ध कराने के संबंध में।

महाशय,

उपरोक्त विषय के संबंध में सूचित करना है कि नई अनुरक्षण नीति-2018 MR (3054) योजना के अंतर्गत पथ में कराये गये कार्य के लिए संवेदक को भुगतान करने हेतु अधियाचना विहित प्रपत्र में भरकर आवश्यक कार्यवाही हेतु समर्पित की जाती है।

अनु :- यथोक्त।

विश्वास भाजन


कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, दाउदनगर

OFFICE OF EXECUTIVE ENGINEER, RURAL WORKS DEPARTMENT, WORKS DIVISION, Daudnagar
Requisition Format for Scheme Head- MR(3054) under Bihar Rural Road Maintenance Policy-2018 (Initial Rectification and Surface Renewal)

Name of Works Division:- Daudnagar

Sl no.	Package No	Name of Road	Project ID as per MIS	Administrative Approval (AA) Letter No & Date	Administrative		Agreement Amount		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 Allotted Amount (in Lakh)	up-to-date expenditure as per MIS (in Lakh)	Requisition against work done (in Lakh)	Remarks
					Length (in km)	Amount of (in Lakh)	Initial Rectification With Surface Renewal (in Lakh)	5 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	RM/AU/DAU/19/0017	POUTHU ROAD - BERPA	NEA22000303	2464/06.07.2019	7.1	353.5554	233.00	60.74141	71/MHD/2019-2020 06.02.2020	23.10.2020	07.05.2022	3328	75mm	8.200%	0.00000	0.00000	215.22	Comp.
TOTAL																	215.22	

Anty 9.6.22
Divisional Account Officer
RWD, Works Division
Daudnagar (Bihar)

for *Shyam* 9/6/22
Executive Engineer
R.W.D. (W) Division, Daudnagar
for *Anty*
9.06.22

Name Of Road :- POUTHU ROAD - BERPA

Date	Time	Section	Length	Bumps	Speed	OR	CATEGORY	IRI	Latitude	Longitude	Event	
		No	in km	in mm	Rate	mm/km	UIV	ROAD				
07/05/22	12:00:42	36	0.1	290	10.1	3200	3767	G				
07/05/22	12:01:15	36	0.1	260	20.2	3000	3540	G	3.53	24.960034	84.5657587	Bridge
07/05/22	12:01:39	36	0.1	350	20.2	2600	3086	G	3.13	24.959506	84.5651407	Culvert
07/05/22	12:01:55	36	0.1	320	20.2	2900	3426	G	3.58	24.959315	84.5643549	Normal
07/05/22	12:02:11	36	0.1	400	30.3	3100	3654	G	3.93	24.959481	84.563447	Normal
07/05/22	12:02:41	36	0.1	370	30.3	3300	3881	G	5.98	24.959823	84.5627721	Speed Breaker
07/05/22	12:02:57	36	0.1	260	30.3	2600	3086	G	3.16	24.960006	84.5612345	Normal
07/05/22	12:03:19	36	0.1	340	30.3	2800	3313	G	3.13	24.960113	84.5605631	Normal
07/05/22	12:04:00	36	0.1	340	30.3	2600	3086	G	3.19	24.959973	84.560029	Speed Breaker
07/05/22	12:04:14	36	0.1	300	30.3	2500	2972	G	3.1	24.959973	84.560029	Speed Breaker
07/05/22	12:04:25	36	0.1	190	30.3	2800	3313	G	3.66	24.960658	84.5579767	Normal
07/05/22	12:04:35	36	0.1	430	30.3	3200	3767	G	3.16	24.961578	84.5577784	Normal
07/05/22	12:04:45	36	0.1	520	30.3	2800	3313	G	3.99	24.962457	84.557519	Normal
07/05/22	12:04:56	36	0.1	320	20.2	3000	3540	G	3.16	24.963107	84.5568018	Normal
07/05/22	12:05:10	36	0.1	170	30.3	2500	2972	G	3.93	24.962834	84.5560236	Normal
07/05/22	12:05:20	36	0.1	220	30.3	3400	3994	G	2.88	24.962077	84.5554209	Normal
07/05/22	12:05:30	36	0.1	180	30.3	2400	2858	G	3.58	24.961646	84.554513	Normal
07/05/22	12:05:39	36	0.1	280	20.2	2500	2972	G	3.02	24.961728	84.553483	Normal
07/05/22	12:05:47	36	0.1	270	20.2	2600	3086	G	3.4	24.961955	84.5525064	Normal
07/05/22	12:05:56	36	0.1	310	20.2	3300	3881	G	4.26	24.962232	84.551446	Speed Breaker
07/05/22	12:06:07	36	0.1	260	20.2	2600	3086	G	3.8	24.962493	84.5505381	Normal
07/05/22	12:06:17	36	0.1	340	10.1	3400	3994	G	3.13	24.962758	84.5495157	Normal
07/05/22	12:06:28	36	0.1	220	30.3	2200	2631	G	3.19	24.963031	84.5485544	Speed Breaker
07/05/22	12:06:40	36	0.1	290	20.2	2900	3426	G	3.58	24.962827	84.5475626	Normal
07/05/22	12:06:49	36	0.1	280	20.2	3300	3881	G	3.53	24.961923	84.5473948	Normal
07/05/22	12:06:58	36	0.1	300	20.2	2900	3552	G	3.4	24.961011	84.5473185	Normal
07/05/22	12:07:06	36	0.1	300	20.2	3100	3654	G	3.66	24.959987	84.5471659	Normal
07/05/22	12:07:06	36	0.1	300	20.2	3100	3654	G	4.66	24.959247	84.5470514	Culvert
07/05/22	12:07:15	36	0.1	280	10.1	2600	3086	G	4.4	24.958213	84.5468607	Speed Breaker
07/05/22	12:07:25	36	0.1	300	20.2	3000	3540	G	3.66	24.957143	84.5468454	Normal
07/05/22	12:07:35	36	0.1	250	30.3	3400	3976	G	3.99	24.956487	84.5472651	Normal
07/05/22	12:07:48	36	0.1	340	20.2	2900	3426	G	3.19	24.955567	84.5471048	Normal
07/05/22	12:07:58	36	0.1	310	20.2	2900	3426	G	4.8	24.954602	84.5469751	Normal
07/05/22	12:08:08	36	0.1	300	20.2	3400	3908	G	3.66	24.953626	84.5468912	Normal
07/05/22	12:08:18	36	0.1	270	30.3	3300	3881	G	3.58	24.953654	84.5460291	Normal
07/05/22	12:08:34	36	0.1	230	30.3	2400	2858	G	3.72	24.953342	84.5452814	Normal
07/05/22	12:08:51	36	0.1	250	30.3	2500	2972	G	3.99	24.952458	84.545022	Normal
07/05/22	12:09:05	36	0.1	240	30.3	2900	3426	G	3.85	24.951711	84.5447779	Normal
07/05/22	12:09:24	36	0.1	250	30.3	2800	3518	G	3.99	24.950645	84.5442743	Normal
07/05/22	12:09:41	36	0.1	210	30.3	2500	2972	G	3.44	24.949823	84.5438318	Normal

$$Y = 0 * X^2 + 1.136 * X + 132.5$$

$$X = 2813$$

$$Y = 3328$$

(R) RURAL ROAD
Good Average Poor
<4000 4001-5000 >5001

07/05/22	12:10:00	36	0.1	300	20.2	2500	2972	G	3.66	24.949126	84.5435038	Normal
07/05/22	12:11:13	36	0.1	290	10.1	2900	3426	G	3.53	24.947991	84.5436563	Normal
07/05/22	12:11:28	36	0.1	330	10.1	2400	2858	G	3.06	24.947112	84.5436563	Normal
07/05/22	12:11:41	36	0.1	380	10.1	2400	2858	G	3.85	24.946172	84.5435724	Normal
07/05/22	12:11:53	36	0.1	320	20.2	2900	3426	G	3.93	24.945281	84.5434122	Normal
07/05/22	12:12:05	36	0.1	310	20.2	2600	3086	G	4.8	24.944293	84.5431986	Normal
07/05/22	12:12:16	36	0.1	250	20.2	2300	2745	G	3.99	24.943418	84.5429239	Normal
07/05/22	12:12:26	36	0.1	250	20.2	2400	2858	G	3.99	24.942481	84.5428095	Culvert
07/05/22	12:12:42	36	0.1	340	10.1	2900	3426	G	5.19	24.941508	84.542695	Speed Breaker
07/05/22	12:12:59	36	0.1	410	10.1	2500	2972	G	3.85	24.940614	84.5426111	Normal
07/05/22	12:13:19	36	0.1	250	20.2	2800	3313	G	3.99	24.939662	84.5424814	Normal
07/05/22	12:13:30	36	0.1	200	30.3	3200	3767	G	3.3	24.938783	84.5423975	Normal
07/05/22	12:13:44	36	0.1	270	30.3	3400	3908	G	3.26	24.937911	84.5423059	Normal
07/05/22	12:13:53	36	0.1	280	30.3	3100	3654	G	3.4	24.936883	84.5422068	Normal
07/05/22	12:14:06	36	0.1	340	30.3	2100	2518	G	5.19	24.936252	84.5421381	Speed Breaker
07/05/22	12:14:16	36	0.1	280	30.3	3100	3654	G	4.4	24.935042	84.5420237	Normal
07/05/22	12:14:24	36	0.1	290	30.3	2100	2700	G	3.53	24.934173	84.5419626	Normal
07/05/22	12:14:32	36	0.1	330	20.2	2400	2858	G	3.06	24.933246	84.5417032	Normal
07/05/22	12:14:43	36	0.1	300	30.3	2400	2858	G	4.66	24.933326	84.540658	Normal
07/05/22	12:14:56	36	0.1	250	20.2	3100	3654	G	3.99	24.932611	84.5407267	Normal
07/05/22	12:15:08	36	0.1	310	10.1	3200	3767	G	4.8	24.93222	84.5410318	Normal
07/05/22	12:15:18	36	0.1	210	20.2	2700	3199	G	3.44	24.93097	84.5417337	Normal
07/05/22	12:15:28	36	0.1	280	10.1	3100	3654	G	4.4	24.929944	84.5417032	Normal
07/05/22	12:15:44	36	0.1	320	10.1	2400	2858	G	4.93	24.929	84.5415735	Speed Breaker
07/05/22	12:16:02	36	0.1	300	10.1	3100	3654	G	3.66	24.928184	84.5413065	Normal
07/05/22	12:16:21	36	0.1	300	20.2	3000	3540	G	3.66	24.927325	84.5409327	Normal
07/05/22	12:16:32	36	0.1	180	30.3	2810	3377	G	3.02	24.926425	84.5405283	Normal
07/05/22	12:16:44	36	0.1	200	30.3	2600	2904	G	3.3	24.925983	84.5398951	Normal
07/05/22	12:16:56	36	0.1	180	40.4	2800	3177	G	3.02	24.926295	84.5389643	Normal
Total Length			6.8									

Asman
9/16/2022

Hyman
9/16/22
AE

for Hyman
9/16/22
E" E
21-00 9/16/2022
SANTA BARBARA COUNTY
PUBLIC WORKS

Construction Private Limited

POUTHU ROAD - BERPA

36

07-05-2022

36

Generate Report and Graph

Test Date :	07-05-2022	Road Name :	POUTHU ROAD - BERPA
Machine No :	338	Road Type :	(R) RURAL ROAD
Start S No :	303	Side :	Right
Start E No :	370	Interval	
Weather :	Normal	UTV Range :	1518 To 5000 1000 mm/km
Start Location :	24.9500344 84	Dist Range :	0 To 6.9 0.1 * 1000 m
End Location :	24.9262953 84	Equation :	$Y = 0 * X^2 + 1.136 * X + 132.5$

Redraw Graph

Map View

File C:\Users\BRRDA40\Desktop\17452115.xlsx, Section No : 36, Eqn : $Y = 0 * X^2 + 1.136 * X + 132.5$
Name of Customer : Raja Bharath Construction Private Limited, Name of Work/ Road : POUTHU ROAD - BERPA



Distance * 1000 m

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Amex 9/6/2022
Jr Shw 7/11/22
AN

**REPORT ON
BITUMEN CONTENT TEST
FOR THE PROPOSED
C/O**

**REPAIR OF ROAD FROM POUTHU ROAD TO BERPA
UNDER SCHEME
MR 3054**

**SUBMITTED TO:
EXECUTIVE ENGINEER
RWD. WORKS DIVISION, DAUDNAGAR**

**AGENCY NAME :
RAJA BHARAT CONSTRUCTION PVT LTD
GAYA BIHAR**

**TESTING BY :
*OM SAI TESTING AND RESEARCH
LABORATORY***

**2nd floor maheswari complex fraser road patna
PIN CODE 800001**

OM SAI TESTING AND RESEARCH LABORATORY

2nd floor maheswari complex fraser road patna

PIN CODE 800001

BITUMEN CONTENT TEST OF SEMI-DENSE BITUMINOUS CONCRETE

Ref. No.
Name of Road : REPAIR OF ROAD FROM POUTHU ROAD TO BERPA UNDER
SCHEME MR 3054

Date
Type Of Material : SEMI-DENSE
BITUMINOUS CONCRETE

DATE OF COLLECTION 2-May-22

DATE OF TESTING 5-May-22

SAMPLE NO. 1,2,3

Chainage & Section:		0+840 KM	3+450 KM	6+235 KM
S.NO.	Observations	1	2	3
1	Wt. of Mix taken before extration	500	500	500
2	Wt. of filter paper before extration	6.00	6.00	6.00
3	Wt. of Mix after extration	472.81	471.78	472.35
4	Wt. of filter paper after extration	7.28	7.35	7.26
5	Wt. of filler collected from extract after allowing for seting	1.23	1.405	1.360
6	Wt. of filler collected in filter paper	1.28	1.35	1.26
7	Wt. of Aggregate + Filler collected after extration	475.32	474.535	475.0
8	Percentage of Bitumen (in the Mix) $\frac{(A-G) \times 100}{A}$	4.94	5.093	5.01
Layer		Value	5.12	
SEMI-DENSE BITUMINOUS CONCRETE		Avg. Value	12%	

Checked By



OM SAI TESTING AND RESEARCH LABORATORY

2nd floor maheswari complex fraser road patna

PIN CODE 800001

BITUMEN CONTENT TEST OF BUTUMINOUS MACADAM

Name of REPAIR OF ROAD FROM POUTHU ROAD TO BERPA
Ref. UNDER SCHEME MR 3054

Type Of Material : BUTUMINOUS
MACADAM

DATE OF COLLECTION 2-May-22

DATE OF TESTING 5-May-22

SAMPL
E NO.

Chainage & Section:		0+840 KM	3+450 KM	6+235 KM
S.NO.	Observations	1	2	3
1	Wt. of Mix taken before extration	500	500	500
2	Wt. of filter paper before extration	3.50	3.5	3.50
3	Wt. of Mix after extration	481.17	481.26	480.91
4	Wt. of filter paper after extration	4.63	4.598	4.83
5	Wt. of filler collected from extract after allowing for seting	1.19	1.21	1.260
6	Wt. of filler collected in filter paper	1.13	1.098	1.33
7	Wt. of Aggregate + Filler collected after extration	483.49	483.568	483.5
8	Percentage of Bitumen (in the Mix) $\frac{(A-G) \times 100}{A}$	3.30	3.2864	3.30
Layer		Value		
BUTUMINOUS MACADAM		Avg. Value 3.296%		

Checked By



OM SAI TESTING AND RESEARCH LABORATORY

2nd floor maheswari complex fraser road palna

PIN CODE 800001

TEST RESULTS OF SEMI-DENSE BITUMINOUS CONCRETE FLAKINESS

FLAKINESS INDEX

Ref. NAME OF ROAD REPAIR OF ROAD FROM POUTHU ROAD TO BERPA UNDER SCHEME MR 3054 Date

Type Of Material SEMI-DENSE BITUMINOUS CONCRETE

Date Of Test 04-05-22

Weight of Sample(gr) - 478 GM

Sno	Passing through IS Sieve (mm)	Retained on IS sieve (mm)	Wt. of the fraction of at least 200 pieces (gm)	Thickness gauge size (mm)	Wt. of aggregate in each fraction passing thickness gauge (gm)
1	2	3	4	5	6
1	12.5	10	41	6.75	0
2	10	6.3	437	4.89	49
Total (gm)			W= 478	w= 49	
			F.I.= 10.25		

ELONGATION INDEX

NAME OF ROAD REPAIR OF ROAD FROM POUTHU ROAD TO BERPA UNDER SCHEME MR 3054

Type Of Material SEMI-DENSE BITUMINOUS CONCRETE

Date Of Test 04-05-22

Weight of Sample(gr) - 457GM

Sno	Passing through IS Sieve (mm)	Retained on IS sieve (mm)	Wt. of the fraction of at least 200 pieces (gm)	Thickness gauge size (mm)	Wt. of aggregate in each fraction passing thickness gauge (gm)
1	2	3	4	5	6
1	12.5	10	36	20.50	0
2	10	6.3	412	14.70	44
Total (gm)			W= 448	w=	
			F.I.= 9.82		
F.I.+E.I.= 10.25+9.82			20.07		

Checked By



OM SAI TESTING AND RESEARCH LABORATORY

2nd floor maheswari complex fraser road patna

PIN CODE 800001

TEST RESULTS OF GRADATION FOR SEMI-DENSE BITUMINOUS CONCRETE (SDBC)

NAME OF ROAD REPAIR OF ROAD FROM POUTHU ROAD TO BERPA UNDER SCHEME MR 3054

Ref.
Type Of Material

SEMI-DENSE BITUMINOUS CONCRETE

Date

Date Of Test

04-05-22

Weight of Sample - 3780 GM

I.S Seive Designation	Weight of Sample Retained (gm.)	% of Weight Retained	Cummulative % of Weight Retained	% of Weight Passing	Spec.Limits Vide Table 500.15 MORTH Specification
13.2mm	0	0	0	100	100
9.5mm	168	4.45	4.45	95.55	90-100
4.75mm	1868	49.43	53.88	46.12	35-51
2.36mm	492	13.02	66.9	33.1	24-39
1.18mm	425	11.25	78.15	21.85	15-30
0.300mm	315	8.33	86.48	12.52	9-19.
0.075mm	323	8.54	95.02	4.98	3-8.
In Pan	188	4.98	100		-

Checked By

