

गुण नियंत्रण इकाई का कार्यालय
पथ प्रमंडल संख्या-1, मुजफ्फरपुर

पत्रांक :- 43 (अनु.)

मुज0/दिनांक :- 25/4/17

प्रेषक :- सहायक अभियंता (पथ अवर प्रमंडल सं0-1)
(अतिरिक्त प्रभार) गुण नियंत्रण इकाई
पथ प्रमंडल सं0-1, मुजफ्फरपुर

सेवा में,

कार्यपालक अभियंता
पथ प्रमंडल संख्या-1, मुजफ्फरपुर
सहायक अभियंता
पथ अवर प्रमंडल संख्या-1, मुजफ्फरपुर
सहायक अभियंता
पथ अवर प्रमंडल संख्या-II, मुजफ्फरपुर

विषय :- पथ प्रमंडल संख्या- I, मुजफ्फरपुर के OPRMC पैकेज सं0-08 अन्तर्गत खबड़ा-लदौड़ा पथ के कि0मी0 1, 2(P), 3(P) & 4(P) एवं बोचहाँ-केवटसा पथ के कि0मी0 18, 32, 33 & 34(All Parts) में S.D.B.C. कार्य हेतु Hot Mix Plant, Garha, Muzaffarpur पर आपूर्ति किए गए Stone Aggregates का Gradation/A.I.V. जाँचफल, खबड़ा-लदौड़ा पथ के कि0मी0 2(P), 3(P) & 4(P) में कराए गए S.D.B.C. कार्य, बोचहाँ-केवटसा पथ के कि0मी0 18 & 32(Parts) में कराए गए S.D.B.C. कार्य तथा मुजफ्फरपुर-सीतामढ़ी पथ के कि0मी0 1, 2(Parts)/R.H.S. में कराए गए B.C. कार्य में Binder Content जाँचफल प्रतिवेदन समर्पित करने के संबंध में।

Name of Agency :- Adarsh Construction, Lal Kothi, Mairwa, Siwan..

महाशय ,

उपरोक्त विषयांकित पथ प्रमंडल संख्या- I, मुजफ्फरपुर के OPRMC पैकेज सं0-08 अन्तर्गत खबड़ा-लदौड़ा पथ के कि0मी0 1, 2(P), 3(P) & 4(P) एवं बोचहाँ-केवटसा पथ के कि0मी0 18, 32, 33 & 34(All Parts) में S.D.B.C. कार्य हेतु Hot Mix Plant, Garha, Muzaffarpur पर आपूर्ति किए गए Stone Aggregates का Gradation/A.I.V. जाँचफल, खबड़ा-लदौड़ा पथ के कि0मी0 2(P), 3(P) & 4(P) में कराए गए S.D.B.C. कार्य, बोचहाँ-केवटसा पथ के कि0मी0 18 & 32(Parts) में कराए गए S.D.B.C. कार्य तथा मुजफ्फरपुर-सीतामढ़ी पथ के कि0मी0 1, 2(Parts)/R.H.S. में कराए गए B.C. कार्य में Binder Content जाँचफल प्रतिवेदन, जाँचफल संचिका संख्या 48 के पेज संख्या 24-26 में निष्पादित किए गए जाँच के अनुरूप, अवलोकनार्थ एवं अग्रतर कारवाई हेतु समर्पित किया जाता है।

अनुलग्नक :- यथोक्त।

विश्वासभाजन

25/4/17

सहायक अभियंता (पथ अवर प्रमंडल सं0-1)

(अतिरिक्त प्रभार) गुण नियंत्रण इकाई

पथ प्रमंडल सं0-1, मुजफ्फरपुर

25/4/17

**DETERMINATION OF BINDER CONTENT IN THE BITUMINOUS MIX OF B.M./D.B.M./S.D.B.C./B.C.
QUALITY CONTROL UNIT, ROAD DIVISION NO.1, MUZAFFARPUR.**

Name of work :- Balance work Long Term Output and Performance Based Road Maintenance Work for the Roads Package No.-08/OPRMC/MUZ.-1 under R.C.D., Division No.-1, Muzaffarpur.

Name of work run :- OC Work in 094 zaffarpur - Sitamarhi Road Observation Register No. 48 Page No 26

Location :- 1 & 2 (parts) / R115.

Date of test :- 25/4/17

Agreement No. :- M.B.D. 04 of 2016-17

Name of Agency :- Adarsh Construction, Lal Kothi, Main Road Mairwa, Siwan.

Sample taken :- Approx. 500gms 3 (Sample

Collected from H-9, P-bno, Charke, Gurga, on 25/4/17)

Sl. No.	Wt. of Sample Before Extraction (gm)/W ₁	Wt. of Filter Paper Before Extraction (gm)/B	Wt. of Sample After Extraction (gm)/W ₂	Wt. of Filter Paper After Extraction (gm)/D	Wt. of Fine Material Recovered from the Extract (gm) W ₃	Increase in Wt. of Filter Paper (D-B) = W ₄	Percentage of Binder Content $[W_1 - (W_2 + W_3 + W_4) / W_1] \times 100$	Average % of Binder Content	Required % of Binder Content	Remarks
I	506.52	10.270	477.56	11.030	0.940	0.760	5.38			
II	510.08	10.310	480.67	11.000	0.970	0.690	5.44	5.41		
III	505.24	9.910	476.07	10.640	1.100	0.730	5.41			

(Test performed by the Centrifuge Bitumen Extractor)

Copy to: (1) E.E., Road Division No.1 Muzaffarpur

(2) A.E., Road Sub-Division No.1/II/Deoria

Letter No. ----- Date -----

Amrta
25.4.17

[Signature]
Assistant Research Officer

Quality Control, Road Division No. 1
R.C.D. Muzaffarpur

A.E. (Sub-Div. No.1)
Incharge Quality Control, Road Division No. 1
R.C.D. Muzaffarpur

DETERMINATION OF BINDER CONTENT IN THE BITUMINOUS MIX OF B.M./D.B.M./S.D.B.C./B.C.

QUALITY CONTROL UNIT, ROAD DIVISION NO.1, MUZAFFARPUR.

Name of work :- Balance work Long Term Output and Performance Based Road Maintenance Work for the Roads Package No.-08/OPRMC/MUZ.-1 under R.C.D., Division No.-1, Muzaffarpur.

Name of work run :- *SDBC work in Khabog-Ladous Road* Observation Register No. *48* Page No. *25*

Location :- *2(E), 3(E) & 4(E) kms.*

Date of test :- *19/4/17*

Agreement No. :- *M.B.D. 04 of 2016-17*

Sample taken :- *Approx. 500 gm, 203 (Sample collected at laying site on 16/4/17)*

Name of Agency :- Adarsh Construction, Lal Kothi, Main Road Mairwa, Siwan.

Sl. No.	Wt. of Sample Before Extraction (gm)/W ₁	Wt. of Filter Paper Before Extraction (gm)/B	Wt. of Sample After Extraction (gm)/W ₂	Wt. of Filter Paper After Extraction (gm)/D	Wt. of Fine Material, Recovered from the Extract (gm) W ₃	Increase in Wt. of Filter Paper (D-B) = W ₄	Percentage of Binder Content $\frac{W_1 - (W_2 + W_3 + W_4)}{W_1} \times 100$	Average % of Binder Content	Required % of Binder Content	Remarks
I	505.30	9.970	478.36	10.510	0.980	0.540	5.03			
II	511.21	10.310	484.12	10.920	1.020	0.610	4.98	4.98		
III	507.28	10.740	480.76	11.290	0.960	0.550	4.93			

(Test performed by the Centrifuge Bitumen Extractor)

Copy to:-(1) E.E., Road Division No.1 Muzaffarpur

(2) A.E., Road Sub-Division No.1/II/Deoria

Letter No.-----

Date-----

Aniz
25.4.17

A.E. (Sub-Div. No.1)

Incharge Quality Control. Road Division No.1

R.C.D. Muzaffarpur

Research Officer
Assistant Research Officer

Quality Control. Road Division No.

R.C.D. Muzaffarpur

dc

**DETERMINATION OF BINDER CONTENT IN THE BITUMINOUS MIX OF B.M./D.B.M./S.D.B.C./B.C.
QUALITY CONTROL UNIT, ROAD DIVISION NO.1, MUZAFFARPUR.**

Name of work :- Balance work Long Term Output and Performance Based Road Maintenance Work for the Roads Package No.-08/OPRMC/MUZ.-1 under R.C.D., Division No.-1, Muzaffarpur.

Name of work run :- *S.D.C work in Bockels - Kerts Road* Observation Register No. *48* Page No. *25*

Location :- *18(P) & 32(P)*

Date of test :- *19/4/17*

Agreement No. :- M.B.D. 04 of 2016-17

Name of Agency :- Adarsh Construction, Lal Kothi, Main Road Mairwa, Siwan.

Sample taken :- *Approx. 500 gm. x 3 (Collected from H-098 bit. Berls. 09/4/17 on 18/4/17)*

Sl. No	Wt. of Sample Before Extraction (gm)/W ₁	Wt. of Filter Paper Before Extraction (gm)/B	Wt. of Sample After Extraction (gm)/W ₂	Wt. of Filter Paper After Extraction (gm)/D	Wt. of Fine Material Recovered from the Extract (gm) W ₃	Increase in Wt. of Filter Paper (D-B) = W ₄	Percentage of Binder Content $[(W_1 - (W_2 + W_3 + W_4) / W_1) \times 100]$	Average % of Binder Content	Required % of Binder Content	Remarks
<i>I</i>	<i>500.37</i>	<i>10.230</i>	<i>474.21</i>	<i>10.760</i>	<i>1.110</i>	<i>0.530</i>	<i>4.90</i>			
<i>II</i>	<i>503.47</i>	<i>9.880</i>	<i>476.54</i>	<i>10.480</i>	<i>1.200</i>	<i>0.600</i>	<i>4.99</i>	<i>4.97</i>		
<i>III</i>	<i>509.22</i>	<i>10.470</i>	<i>482.24</i>	<i>11.040</i>	<i>0.840</i>	<i>0.570</i>	<i>5.02</i>			

(Test performed by the Centrifuge Bitumen Extractor)

Copy to:-(1) *E.E., Road Division No.1 Muzaffarpur*

(2) *A.E., Road Sub-Division No.1/II/Deoria*

Letter No. Date

19/4/17
25417

Assistant Research Officer

Quality Control, Road Division No.

R.C.D. Muzaffarpur

A.E. (Sub-Div. No.1)

Incharge Quality Control, Road Division No.1

R.C.D. Muzaffarpur

GRADATION TEST OF STONE AGGREGATES FOR S.D.B.C.

QUALITY CONTROL UNIT, ROAD DIVISION NO.1, MUZAFFARPUR.

Name of work :- Balance work Long Term Output and Performance Based Road Maintenance Work for the Roads Package No.-08/OPRMC/MUZ.-1 under R.C.D., Division No.-1, Muzaffarpur

Name of work run :- SDC work in Khatwa-Labana Road & Bhatla. Kests Road. Observation Register No. 48 Page No. 24

Location :- Km. 1.2 (P), 3 (P), 24 (P) in Khatwa-Labana Rd & 18, 32, 33 & 34 (All Roads) in Bhatla. Name of Agency :- Adarsh Construction, Mairwa, Siwan.

Date of test :- 15/4/17 Sample taken :- 30,000 kg (Collected 15,000 kg @ 50% Fine Aggregate & 15,000 kg @ 50% Stone dust from 14/4/17)


Agreement No. M.B.D. 04 of 2016-17.

Sl. No.	Sieve size in M.M.	Weight retained in Kg.	% weight retained	Cumulative % retained	% of passing	Required % of passing	A.I.V.		Flakiness Index		Water Absorption		Remarks	Checked by	
							As per test	Max. % allowed	As per test	Max. % allowed	As per test	Max. % allowed			As per test
1.	13.2	0.0	0.0	0.0	100	100								E.E. Rd. Div No.1, Muz.	
2.	9.5	3.420	11.4	11.4	88.6	90-100							Removable Gradation may be followed.		
3.	4.75	12.990	43.3	54.7	45.3	35-51									
4.	2.36	4.860	16.2	70.9	29.1	24-39	10.2	27.0							
5.	1.18	3.240	10.8	81.7	18.3	15-30									
6.	300micron	1.650	5.5	87.2	12.8	9-19									
7.	75 micron	2.580	8.6	95.8	4.2	3-8									

Copy To:- (1) E.E. Road Division No.1, Muzaffarpur
(2) A.E. Road Sub Division No. 1/II/Deoria

Letter No. ----- Date -----

Amis 4-12


 Assistant Research Officer
 Quality Control, Road Division No. 1
 R.C.D. Muzaffarpur

A.E. (Sub Div. No.1)
 Incharge Quality Control, Road Division No.1
 R.C.D. Muzaffarpur