

DETERMINATION OF BINDER CONTENT IN THE

I. R. Q. P. cum Output and Performance Based Road Assets Maintenance (C.M.B.D.) Work of Karja (N.H.-102) to Jaitpur (S.H.-86) from Km. 0 to 11.50 for the year 2015-16.

(Agreement No.:- C. M.B.D. 09 of 2016-17)

Bachcha Singh
At & Po. Sarawn Rasulpur, Dist.-Saran

TEST REPORT
(IPA-06)

		I	II
1. Sample No.		107320	107330
2. Description of Sample		10.2%	10.7%
3. Weight of Sample (gms)	472.800	462.800	452.800
4. Weight of Filter Paper (Dry) (gms)	9.500	10.500	11.370
5. Weight of Residue (Dry) (gms)	0.300	0.920	0.960
6. Weight of Filter Paper (Dry) (gms) W ₂	0.310	0.410	0.000
7. Percentage of Binder Content (by Dry Weight) (%)	4.50	4.90	4.50
8. Average % of Binder Content		4.70	
9. Remarks			

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

Name of work :- I.R.Q.P. cum Output and Performance Based Road Assets Maintenance (C.M.B.D.) Work of Karja (N.H.-102) to Jaitpur (S.H.-86) from Km. 0 to 11.50 for the year 2015-16.

Clint :- Executive Engineer, Road Division No. 1, Road Construction Department, Muzaffarpur Bihar.

Contractor :- Bachcha Singh, Dist.-Saran

Name of work run :- S.D.B.C. Work

Location :- 4th & 5th Kms.


Sample taken :- Approx. 500gms. x 3 (Sample Collected on 25.03.17)

Date of test :- 26.03.17.

Agreement No.:- C.M.B.D. 09 of 2016-17.

1.	Sample Taken	I	II	III
2.	Wt. of Sample Before Extraction-(gm)/W ₁	503.640	507.320	500.490
3.	Wt. of Filter Paper Before Extraction-(gm)/B	9.200	10.250	10.940
4.	Wt. of Sample After Extraction-(gm)/ W ₂	477.960	480.820	474.670
5.	Wt. of Filter Paper After Extraction-(gm)/D	9.510	10.660	11.370
6.	Wt.of Fine Material, Recovered from the Extract-(gm)W ₃	0.890	0.920	0.960
7.	Increase in Wt. of Filter Paper-(D-B)=(gm)/ W ₄	0.310	0.410	0.430
8.	Percentage of Binder Content- [W ₁ -(W ₂ +W ₃ + W ₄)/ W ₁] X 100	4.86	4.96	4.88
9.	Average % of Binder Content	4.90		
10.	Required % of Binder Content			
11.	Remarks			

Remarks :-


 Contractor's Representative

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

Name of work :- I.R.Q.P. cum Output and Performance Based Road Assets Maintenance (C.M.B.D.) Work of Karja (N.H.-102) to Jaitpur (S.H.-86) from Km. 0 to 11.50 for the year 2015-16.

Clint :- Executive Engineer, Road Division No. 1, Road Construction Department, Muzaffarpur Bihar.

Contractor :- Bachcha Singh, Dist.-Saran

Name of work run :- S.D.B.C. Work

Location :- 6th & 7th Kms.

Sample taken :- Approx. 500gms. x 3 (Sample Collected on 23.03.17 & 24.03.17)

Date of test :- 25.03.17.

Agreement No.:- C.M.B.D. 09 of 2016-17.

	I	II	III
1. Sample Taken			
2. Wt. of Sample Before Extraction-(gm)/W ₁	510.220	509.090	511.240
3. Wt. of Filter Paper Before Extraction-(gm)/B	11.320	11.640	10.330
4. Wt. of Sample After Extraction-(gm)/ W ₂	483.370	481.760	483.250
5. Wt. of Filter Paper After Extraction-(gm)/D	11.740	12.080	10.730
6. Wt.of Fine Material, Recovered from the Extract-(gm)W ₃	1.020	0.870	0.950
7. Increase in Wt. of Filter Paper-(D-B)=(gm)/ W ₄	0.420	0.440	0.400
8. Percentage of Binder Content- [W ₁ -(W ₂ +W ₃ + W ₄)/ W ₁] X 100	4.98	5.11	5.21
9. Average % of Binder Content	5.10		
10. Required % of Binder Content			
11. Remarks			

Remarks :-


 Contractor's Representative

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

Name of work :- I.R.Q.P. cum Output and Performance Based Road Assets Maintenance (C.M.B.D.) Work of Karja (N.H.-102) to Jaitpur (S.H.-86) from Km. 0 to 11.50 for the year 2015-16.

Client :- Executive Engineer, Road Division No. 1, Road Construction Department, Muzaffarpur Bihar.

Contractor :- Bachcha Singh, Dist.-Saran

Name of work run :- B.M. Work

Location :- 8th Km. (Part)

Sample taken :- Approx. 500gms. x 3 (Sample Collected on 22.03.17)

Date of test :- 23.03.17.

Agreement No.:- C.M.B.D. 09 of 2016-17.

1.	Sample Taken	I	II	III
2.	Wt. of Sample Before Extraction-(gm)/W ₁	523.660	518.140	515.000
3.	Wt. of Filter Paper Before Extraction-(gm)/B	10.760	11.090	11.100
4.	Wt. of Sample After Extraction-(gm)/ W ₂	505.060	499.78	496.48
5.	Wt. of Filter Paper After Extraction-(gm)/D	11.130	11.540	11.510
6.	Wt. of Fine Material, Recovered from the Extract-(gm)W ₃	0.890	1.010	1.110
7.	Increase in Wt. of Filter Paper-(D-B)=(gm)/ W ₄	0.370	0.450	0.410
8.	Percentage of Binder Content- [W ₁ -(W ₂ +W ₃ + W ₄)/ W ₁] X 100	3.31	3.26	3.30
9.	Average % of Binder Content	3.29		
10.	Required % of Binder Content			
11.	Remarks			

Remarks :-

Bachcha Singh
23/3/17

Contractor's Representative

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

Name of work :- I. R. Q. P. cum Output and Performance Based Road Assets Maintenance
(C.M.B.D.) Work of Karja (N.H.-102) to Jaitpur (S.H.-86) from Km. 0 to 11.50
for the year 2015-16.

Client :- Executive Engineer, Road Division No. 1, Road Construction Department,
Muzaffarpur Bihar

Contractor :- Bachcha Singh, Dist.-Saran

Name of work run :- S.D.B.C. Work.

Location :- 4, 5, 6 & 7 Kms.

Sample taken :- 30.000 Kg. (Collected from H.M. Plant, Patahi, Muz. on 20.03.17)

Date of test :- 20.03.2017.

Agreement No.:- C. M.B.D. 09 of 2016-17.

Sl. No.	Sieve size in M.M.	Weight retained in Kg.	% weight retained	Cumulative % retained	% of passing	Required % of passing
1.	13.2	0.990	3.3	3.3	96.7	100
2.	9.5	2.280	7.6	10.9	89.1	90-100
3.	4.75	12.150	40.5	51.4	48.6	35-51
4.	2.36	4.890	16.3	67.7	32.3	24-39
5.	1.18	2.910	9.7	77.4	22.6	15-30
6.	0.300	3.780	12.6	90.0	10.0	9-19
7.	0.075	1.950	6.5	96.5	3.5	3-8

Remarks :-


20/3/17
Contractor's Representative

GRADATION TEST OF WET-MIX MACADAM

Name of work :- I.R.Q.P. cum Output and Performance Based Road Assets Maintenance (C.M.B.D.) Work of Karja (N.H.-102) to Jaitpur (S.H.-86) from Km. 0 to 11.50 for the year 2015-16.

Client :- Executive Engineer, Road Division No. 1, Road Construction Department, Muzaffarpur Bihar

Contractor :- Bachcha Singh, Dist.-Saran

Name of work run :- W.M.M. Work.

Location :- 10(P) & 11(P) Kms.

Sample taken :- 30.000 Kg. (Collected on 17.03.17).

Date of test :- 17-03-2017.

Agreement No.:- C.M.B.D. 09 of 2016-17.

Sl. No.	Sieve size in M.M.	Weight retained in Kg.	% weight retained	Cumulative % retained	% of passing	Required % of passing
1.	53	0	0	0	100	100
2.	45	1.380	4.6	4.6	95.4	95-100
3.	22.4	7.560	25.2	29.8	70.2	60-80
4.	11.2	8.340	27.8	57.6	42.4	40-60
5.	4.75	4.320	14.4	72.0	28.0	25-40
6.	2.36	2.760	9.2	81.2	18.8	15-30
7.	0.600	2.640	8.8	90.0	10.0	8-22
8.	0.075	2.280	7.6	97.6	2.4	0-5

Remarks :-

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17/3/17
Contractor's Representative