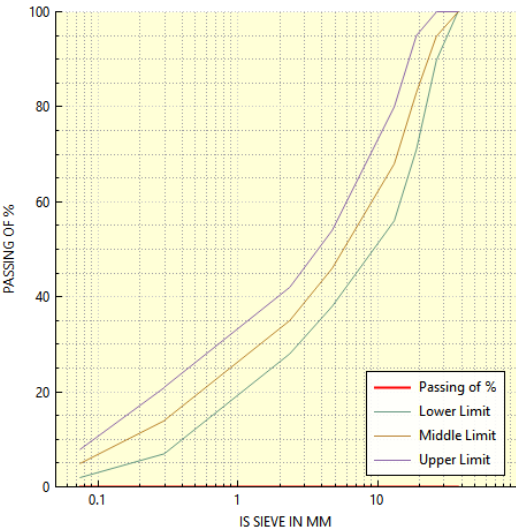


National Highway Authority of India						
Name of Work						
Name of Client						
Name of Consultant						
Name of Contractor						
GRADATION						
Date of Sampling:-	1/1/2000		Date of Testing:-	1/1/2000		
Sample No.:-			Frequency Test:-			
Type of Material & Layer:-			Source Approval:-			
Source of Material:-			Sample at:-			
25-16 mm	1	2	3	4	5	AVERAGE
IS SIEVES	% Passing					
37.5	0	0	0	0	0	0
26.5	0	0	0	0	0	0
19	0	0	0	0	0	0
13.2	0	0	0	0	0	0
4.75	0	0	0	0	0	0
2.36	0	0	0	0	0	0
0.3	0	0	0	0	0	0
0.075	0	0	0	0	0	0
16-4.75 mm	1	2	3	4	5	AVERAGE
IS SIEVES	% Passing					
37.5	0	0	0	0	0	0
26.5	0	0	0	0	0	0
19	0	0	0	0	0	0
13.2	0	0	0	0	0	0
4.75	0	0	0	0	0	0
2.36	0	0	0	0	0	0
0.3	0	0	0	0	0	0
0.075	0	0	0	0	0	0
4.75 mm down	1	2	3	4	5	AVERAGE
IS SIEVES	% Passing					
37.5	0	0	0	0	0	0
26.5	0	0	0	0	0	0
19	0	0	0	0	0	0
13.2	0	0	0	0	0	0
4.75	0	0	0	0	0	0
2.36	0	0	0	0	0	0
0.3	0	0	0	0	0	0
0.075	0	0	0	0	0	0
Tested by		Checked by		Random sample checked		
		Authority's Engineer		Client		

National Highway Authority of India																	
Name of Work																	
Name of Contractor																	
BLENDING FOR-DENSE BITUMINOUS MACADAM GRADE-II																	
								25-16 mm	0								
								16-4.75 mm	0								
								4.75 mm down	0								
AGG.	I.S. Sieves(in mm)								%	I.S. Sieves(in mm)							
SIZE	37.5	26.5	19	13.20	4.75	2.36	0.300	0.075		37.5	26.5	19	13.20	4.75	2.36	0.300	0.075
25-16 mm	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0
16-4.75 mm	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0
4.75 mm down	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0
						DESIGN			100	0	0	0	0	0	0	0	0
UPPER & LOWER LIMITS OF GRADING TABLE 500-10(GRADING 2) OF MORTH & SPECIFICATION									Mid Limit	100	95	83	68	46	35	14	5
									Lower Limit	100	90	71	56	38	28	7	2
									Upper Limit	100	100	95	80	54	42	21	8



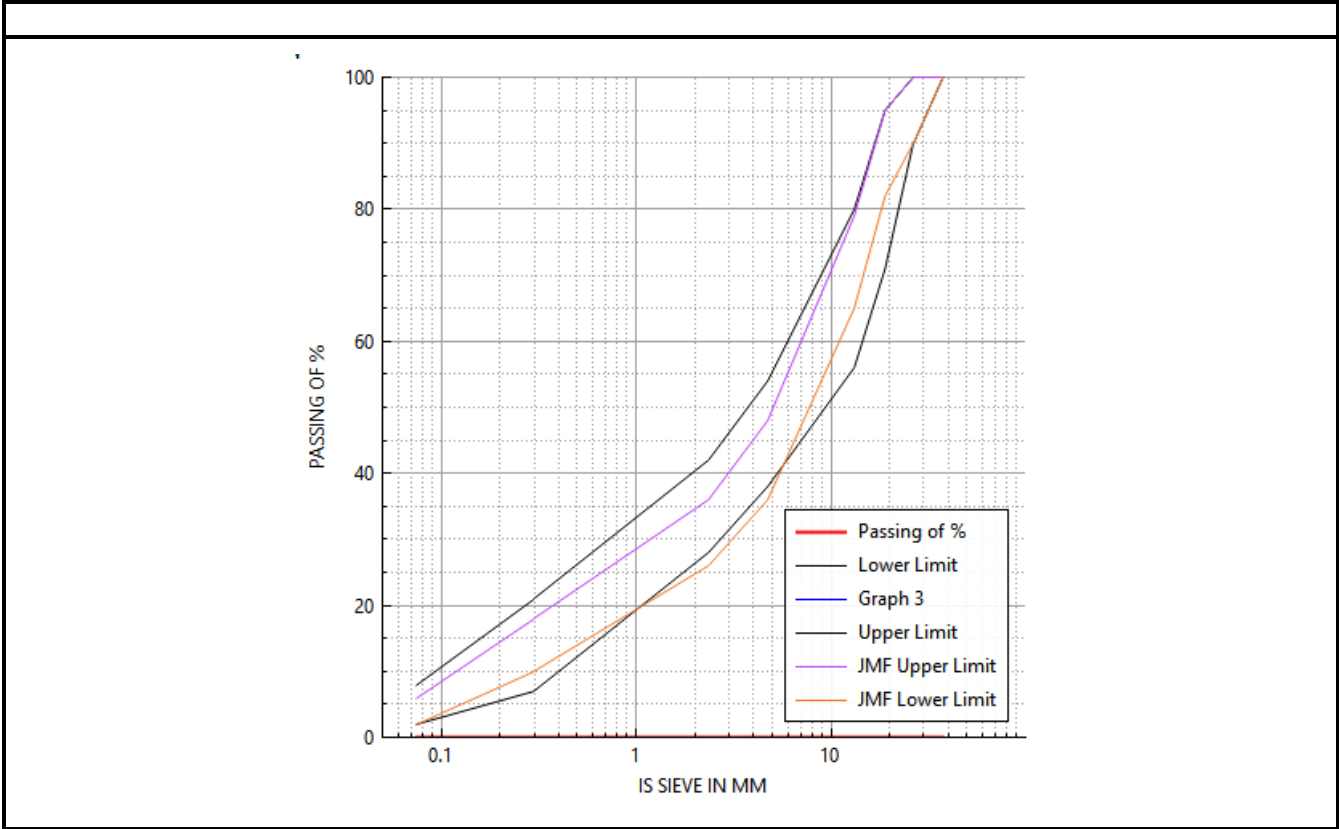
FOR CONTRACTOR REP.

FOR AUTHORITY ENGINEER REP.

Name of Client	
Name of Contractor	

DBM JOB MIX FORMULA

IS SEIVE	% of Passing	Permissible	JMF Lower Limit	JMF Upper Limit	MORT & H Lower Limit	MORT & H Upper Limit
37.5	0	(+/-)8	100	100	100	100
26.5	0	(+/-)8	90	100	90	100
19	0	(+/-)8	82	95	71	95
13.2	0	(+/-)7	65	79	56	80
4.75	0	(+/-)6	36	48	38	54
2.36	0	(+/-)5	26	36	28	42
0.3	0	(+/-)4	10	18	7	21
0.075	0	(+/-)2	2	6	2	8



Name of Client			
Name of Contractor			
Striping Value of Aggregates			
Size of Aggregates:		Date of Sampling: 1/1/2000	
Grade of Bitumen:		Date of Testing: 1/1/2000	
Source of Aggregates:			
SNo.	Description	Sample 1	Sample 2
1	Time of Mixing		
2	Temp of Aggregate Before Mixing	(°C)	(°C)
3	Temp of Bitumen before Mixing	(°C)	(°C)
4	Time of Placing in Water Bath		
5	Temp of Water Bath	(°C)	(°C)
6	Time of Visual Inspection		
7	Stripping Value	Greater than 95%	Greater than 95%
Remarks			
EPC CONTRACTOR REP		AUTHORITY ENGINEER REP	CHECKED BY

NHAI	Name of Client				
	Name of Contractor				
Softening Point Test [As per IS-1208]					
Source of Sample			Date of Sampling	1/1/2000	
Manufacturer			Date of Testing	1/1/2000	
Bitumen Grade			Liquid Used in Bath	0	
Period of cooling	0 min		Period of cooling in Water Bath	0 min	
Testing Activity	Sample No. 1		Sample No. 2		Mean Value(cm)
	Ball 1	Ball 2	Ball 1	Ball 2	
TEMP. AT WHICH SAMPLE TOUCHES BOTTOM PLATE (IN CENTIGRADE)	0	0	0	0	0
Remarks					
EPC CONTRACTOR REP		AUTHORITY ENGINEER REP		CHECKED BY	

NHAI	Name of Client			
	Name of Contractor			
Bitumen Penetration Test [As per IS-1208]				
Sample Location			Date of Sampling1/1/2000	
Source of Material			Date of Testing1/1/2000	
Bitumen Grade				
Pouring Temperature	0 °C	Period of cooling in atmosphere	0 Hr	
Room Temperature	0 °C	Period of cooling in water bath	0 Hr	
Actual Test Temperature	0 °C			
Penetrometer Dial Reading	Test Number			Mean Value(cm)
	1	2	3	
Initial	0	0	0	0
Final	0	0	0	
Penetration Value	0	0	0	
Remarks				
EPC CONTRACTOR REP		AUTHORITY ENGINEER REP	CHECKED BY	

NHAI	Name of Client			
	Name of Contractor			
Bitumen Ductility Test [As per IS-1208]				
Sample Location			Date of Sampling	1/1/2000
Source of Material			Date of Testing	1/1/2000
Pouring Temperature	0 °C		Bitumen Grade	
Test Temperature	0 °C			
Specified Period of cooling				
a) In Air	0 min	(spec: 30 - 40 min)		
b) In Water Bath Before Trimming	0 min	(spec: 30 min)		
c) In Water Bath After Trimming	0 min	(spec 85 - 95 min)		
d) Rate of Pull	0 mm/min	(spec 50 ± 2.5 mm/min)		
Test Property	Briquette Number			Mean Value(cm)
	1	2	3	
Ductility in cm	0	0	0	0
Remarks				
EPC CONTRACTOR REP		AUTHORITY ENGINEER REP	CHECKED BY	

center

Name of Client			
Name of Contractor			
Determination of Bituminous Material Viscosity			
Lab Job No.: 0		Date of Sampling: 1/1/2000	
Source of Material:		Date of Testing: 1/1/2000	
Grade of Material:		Sampled By: 0	
Proposed to Use: 0		Tested By: 0	
Description of Test			
SNo.	Description	Results	
		Absolute Viscosity in Poise IS 1206 II	Kinematic Viscosity in cSt IS 1206 III
1	Test Temperature	0 °C	0 °C
2	Water Bath	0 min	0 min
3	Size of Tube	0	0
4	Calibration Factor for Bulbs	0	0
5	Time for Bulb (sec)	0 sec	0 sec
6	Viscosity	0 Poise	0 cSt
7	Permissible Limits	3200-4800 Poise	Min 400 cSt
Remarks			
EPC CONTRACTOR REP		AUTHORITY ENGINEER REP	CHECKED BY

Name of Client				
EPC Contractor				
FLASH POINT IS: 1209				
Lab Job No.: 0				
Date of Sampling: 1/1/2000				
Source of Material:				
Date of Testing: 1/1/2000				
Grade of Bitumen:				
Sampled By: 0				
Proposed to Use: 0				
Tested By: 0				
Location:				
Type of Material:0				
Description of Test				
Description	Units	Test 1	Test 2	Test 3
Flash Point	°F	0	0	0
Average Flash Point	°F	0		
Remarks				
EPC CONTRACTOR REP	AUTHORITY ENGINEER REP			

Name of Client			
EPC Contractor			
SPECIFIC GRAVITY OF BITUMEN IS: 1202			
Sample Location:		Date of Sampling: 1/1/2000	
Source of Material:		Date of Testing: 1/1/2000	
Type of Bitumen:		Used For	
Test No	1	2	3
(a) Weight of Pycnometer, gm	0	0	0
(b) Weight of Pycnometer + distilled water, gm	0	0	0
(c) Weight of Pycnometer + half filled material, gm	0	0	0
(d) Weight of half filled material + distilled water, gm	0	0	0
(e) Specific Gravity = (c-a)/(b-a)-(d-c)	0	0	0
AVERAGE	0		
Remarks			
EPC CONTRACTOR REP		AUTHORITY ENGINEER REP	