

National Highway Authority of India				
Name of Work				
Name of Client				
Name of Consultant				
Name of Contractor				
Individual Gradation				
Date of Sampling		Date of Testing		
Sample No.		Source of Material		
Type of Material		Sample At		
Sample No-1		Total Weight(gms)	0	
IS SIEVE	Wt. Of Retained(gms)	Cumulative Weight Retained	Cumulative % Retained	Cumulative % Passing
53	4	4	0	0
45	0	4	0	0
22.4	0	4	0	0
11.2	0	4	0	0
4.75	0	4	0	0
2.36	0	4	0	0
0.6	0	4	0	0
0.075	0	4	0	0
Sample No-2		Total Weight(gms)	0	
IS SIEVE	Wt. Of Retained(gms)	Cumulative Weight Retained	Cumulative % Retained	Cumulative % Passing
53	0	0	0	0
45	4	4	0	0
22.4	0	4	0	0
11.2	0	4	0	0
4.75	0	4	0	0
2.36	0	4	0.6	0
4	0	4	0.075	0
Sample No-3		Total Weight(gms)	0	
IS SIEVE	Wt. Of Retained(gms)	Cumulative Weight Retained	Cumulative % Retained	Cumulative % Passing
53	0	0	0	0
45	0	0	0	0
22.4	4	4	0	0
11.2	0	4	0	0
4.75	0	4	0	0
2.36	0	4	0	0
2.36	0	4	0	0
0.075	0	4	0	0
Remarks:				
Tested by		Checked by	Random sample checked	
Authority's Engineer		Client		
Tested by		Checked by	Random sample checked	

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Type of Material		Sample At		
Sample No-1		Total Weight(gms)	0	
IS SIEVE	Wt. Of Retained(gms)	Cumulative Weight Retained	Cumulative % Retained	Cumulative % Passing
53	0	1	0	0
45	0	1	0	0
22.4	0	1	0	0
11.2	0	1	0	0
4.75	0	1	0	0
2.36	0	1	0	0
0.6	0	1	0	0
0.075	0	1	0	0
Sample No-2		Total Weight(gms)	0	
IS SIEVE	Wt. Of Retained(gms)	Cumulative Weight Retained	Cumulative % Retained	Cumulative % Passing
53	0	1	0	0
45	0	1	0	0
22.4	0	1	0	0
11.2	0	1	0	0
4.75	0	1	0	0
2.36	0	1	0.6	0
1	0	1	0.075	0
Sample No-3		Total Weight(gms)	0	
IS SIEVE	Wt. Of Retained(gms)	Cumulative Weight Retained	Cumulative % Retained	Cumulative % Passing
53	0	1	0	0
45	0	1	0	0
22.4	0	1	0	0
11.2	0	1	0	0
4.75	0	1	0	0
2.36	0	1	0	0
2.36	0	1	0	0
0.075	0	1	0	0
Remarks:				
Tested by		Checked by	Random sample checked	
Authority's Engineer		Client		
Tested by		Checked by	Random sample checked	

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Type of Material		Sample At		
Sample No-1		Total Weight(gms)	0	
IS SIEVE	Wt. Of Retained(gms)	Cumulative Weight Retained	Cumulative % Retained	Cumulative % Passing
53	0	0	0	0
45	0	0	0	0
22.4	0	0	0	0
11.2	0	0	0	0
4.75	0	0	0	0
2.36	0	0	0	0
0.6	0	0	0	0
0.075	0	0	0	0
Sample No-2		Total Weight(gms)	0	
IS SIEVE	Wt. Of Retained(gms)	Cumulative Weight Retained	Cumulative % Retained	Cumulative % Passing
53	0	0	0	0
45	0	0	0	0
22.4	0	0	0	0
11.2	0	0	0	0
4.75	0	0	0	0
2.36	0	0	0.6	0
0	0	0	0.075	0
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53	0	0	0	0
45	0	0	0	0
22.4	0	0	0	0
11.2	0	0	0	0
4.75	0	0	0	0
2.36	0	0	0	0
2.36	0	0	0	0
0.075	0	0	0	0
Remarks:				
Tested by		Checked by	Random sample checked	
Authority's Engineer		Client		
Tested by		Checked by	Random sample checked	

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53	0	0	0	0
45	0	0	0	0
22.4	0	0	0	0
11.2	0	0	0	0
4.75	0	0	0	0
2.36	0	0	0	0
0.6	0	0	0	0
0.075	0	0	0	0
Sample No-2		Total Weight(gms)	0	
IS SIEVE	Wt. Of Retained(gms)	Cumulative Weight Retained	Cumulative % Retained	Cumulative % Passing
53	0	0	0	0
45	0	0	0	0
22.4	0	0	0	0
11.2	0	0	0	0
4.75	0	0	0	0
2.36	0	0	0.6	0
0	0	0	0.075	0
Sample No-3		Total Weight(gms)	0	
IS SIEVE	Wt. Of Retained(gms)	Cumulative Weight Retained	Cumulative % Retained	Cumulative % Passing
53	0	0	0	0
45	0	0	0	0
22.4	0	0	0	0
11.2	0	0	0	0
4.75	0	0	0	0
2.36	0	0	0	0
2.36	0	0	0	0
0.075	0	0	0	0
Remarks:				
Tested by		Checked by	Random sample checked	
Authority's Engineer		Client		
Tested by		Checked by	Random sample checked	

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WMM												
AS PER IS 2386 Part IV												
IS SIEVE	Average of Individual % Passing				% Taken for design				Combined % Passing	MID LIMIT	SPECIFICATION LIMIT AS PER MORTH	
	40 MM	20 MM	10 MM	Dust	40 MM 20 MM 10 MM Dust						Lower	Higher
					0	0	0	0				
53	0	0	0	0	0	0	0	0	0	100	100	100
45	0	0	0	0	0	0	0	0	0	97.5	95	100
22.4	0	0	0	0	0	0	0	0	0	70	60	80
11.2	0	0	0	0	0	0	0	0	0	50	40	60
4.75	0	0	0	0	0	0	0	0	0	32.5	25	40
2.36	0	0	0	0	0	0	0	0	0	22.5	15	30
0.6	0	0	0	0	0	0	0	0	0	15	8	22
0.075	0	0	0	0	0	0	0	0	0	2.5	0	5
Remarks:												
Tested by					Checked by				Random sample checked			
Authority's Engineer							Client					
Tested by					Checked by				Random sample checked			

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WMM COMBIEND GRADATION						Date:	1/1/2000
40mm: 0	20mm: 0	10mm: 0	Stone Dust: 0	Total Weight		56	
IS SIEVE	Wt. Of Retained (gms)	Cumulative Weight Retained	Cumulative % Retained	Cumulative % Passing	MID LIMIT	SPECIFICATION LIMIT AS PER MORTH	
						Lower	Higher
53	4	4	7.14286	0	100.00	100.00	100.00
45	5	9	16.0714	0	97.50	95	100
22.4	6	15	26.7857	0	70.00	60	80
11.2	6	21	37.5	0	50.00	40	60
4.75	6	27	48.2143	0	32.50	25	40
2.36	7	34	60.7143	0	22.50	15	30
0.6	7	41	73.2143	0	15.00	8	22
0.075	8	49	87.5	0	2.50	0	5
Remarks:							
Tested by			Checked by		Random sample checked		
Authority's Engineer				Client			
Tested by			Checked by		Random sample checked		