

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
0	0	1	0	0
0	0	1	0	0
0	0	1	0	0
0	0	1	0	0
0	0	1	0	0
0	0	1	0	0
0	0	1	0	0
0	0	1	0	0
Sample No-2		Total Weight(gms)	0	
IS SIEVE	Wt. Of Retained(gms)	Cumulative Weight Retained	Cumulative % Retained	Cumulative % Passing
0	0	1	0	0
0	0	1	0	0
0	0	1	0	0
0	0	1	0	0
0	0	1	0	0
0	0	1	0	0
0	0	1	0	0
1	0	1	0	0
Sample No-3		Total Weight(gms)	0	
IS SIEVE	Wt. Of Retained(gms)	Cumulative Weight Retained	Cumulative % Retained	Cumulative % Passing
0	0	1	0	0
0	0	1	0	0
0	0	1	0	0
0	0	1	0	0
0	0	1	0	0
0	0	1	0	0
0	0	1	0	0
0	0	1	0	0
0	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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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
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
Sample No-2		Total Weight(gms)	0	
IS SIEVE	Wt. Of Retained(gms)	Cumulative Weight Retained	Cumulative % Retained	Cumulative % Passing
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
Sample No-3		Total Weight(gms)	0	
IS SIEVE	Wt. Of Retained(gms)	Cumulative Weight Retained	Cumulative % Retained	Cumulative % Passing
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	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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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
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
Sample No-2		Total Weight(gms)	0	
IS SIEVE	Wt. Of Retained(gms)	Cumulative Weight Retained	Cumulative % Retained	Cumulative % Passing
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
Sample No-3		Total Weight(gms)	0	
IS SIEVE	Wt. Of Retained(gms)	Cumulative Weight Retained	Cumulative % Retained	Cumulative % Passing
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	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				
0	0	0	0	0	0	0	0	0	0	100	100	100
0	0	0	0	0	0	0	0	0	0	97.5	95	100
0	0	0	0	0	0	0	0	0	0	70	60	80
0	0	0	0	0	0	0	0	0	0	50	40	60
0	0	0	0	0	0	0	0	0	0	32.5	25	40
0	0	0	0	0	0	0	0	0	0	22.5	15	30
0	0	0	0	0	0	0	0	0	0	15	8	22
0	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:	
40mm: 0	20mm: 0	10mm: 0	Stone Dust: 0	Total Weight	0		
IS SIEVE	Wt. Of Retained (gms)	Cumulative Weight Retained	Cumulative % Retained	Cumulative % Passing	MID LIMIT	SPECIFICATION LIMIT AS PER MORTH	
						Lower	Higher
0	0	0	0	0	100.00	100.00	100.00
0	0	0	0	0	97.50	95	100
0	0	0	0	0	70.00	60	80
0	0	0	0	0	50.00	40	60
0	0	0	0	0	32.50	25	40
0	0	0	0	0	22.50	15	30
0	0	0	0	0	15.00	8	22
0	0	0	0	0	2.50	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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SPECIFIC GRAVITY AND WATER ABSORPTION TEST					
IS 2386 - PART III					
Date of Sampling		1/1/2000	Date of Testing		1/1/2000
Sample No.			Source of Material		
Type of Material		10mm	Sample At		
S No.	Description		Trial 1	Trial 2	Trial 3
1	Weight of Sample in Water	W1(gms)	0	0	0
2	Weight of SSD Sample	W2(gms)	0	0	0
3	Weight of Oven Dry Sample	W3(gms)	0	0	0
4	Bulk Specific Gravity	=W3/(W2-W1)	0	0	0
5	Apparent Specific Gravity	=W3/(W3-W1)	0	0	0
6	Water Absorption (%)	= 100 x (W2-W3)/W3	0	0	0
7	Average Bulk Specific Gravity		0		
8	Average Apparent Specific Gravity		0		
7	Average Water Absorption %		0		
Remarks:					
Tested by		Checked by		Random sample checked	
		Authority's Engineer		Client	
Tested by		Checked by		Random sample checked	



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SPECIFIC GRAVITY AND WATER ABSORPTION TEST					
IS 2386 - PART III					
Date of Sampling		1/1/2000	Date of Testing		1/1/2000
Sample No.			Source of Material		
Type of Material		20mm	Sample At		
S No.	Description		Trial 1	Trial 2	Trial 3
1	Weight of Sample in Water	W1(gms)	0	0	0
2	Weight of SSD Sample	W2(gms)	0	0	0
3	Weight of Oven Dry Sample	W3(gms)	0	0	0
4	Bulk Specific Gravity	$=W3/(W2-W1)$	0	0	0
5	Apparent Specific Gravity	$=W3/(W3-W1)$	0	0	0
6	Water Absorption (%)	$= 100 \times (W2-W3)/W3$	0	0	0
7	Average Bulk Specific Gravity		0		
8	Average Apparent Specific Gravity		0		
7	Average Water Absorption %		0		
Remarks:					
Tested by		Checked by		Random sample checked	
		Authority's Engineer		Client	
Tested by		Checked by		Random sample checked	

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Name of Contractor					
SPECIFIC GRAVITY AND WATER ABSORPTION TEST					
IS 2386 - PART III					
Date of Sampling		1/1/2000	Date of Testing		1/1/2000
Sample No.			Source of Material		
Type of Material		40mm	Sample At		
S No.	Description		Trial 1	Trial 2	Trial 3
1	Weight of Sample in Water	W1(gms)	0	0	0
2	Weight of SSD Sample	W2(gms)	0	0	0
3	Weight of Oven Dry Sample	W3(gms)	0	0	0
4	Bulk Specific Gravity	=W3/(W2-W1)	0	0	0
5	Apparent Specific Gravity	=W3/(W3-W1)	0	0	0
6	Water Absorption (%)	= 100 x (W2-W3)/W3	0	0	0
7	Average Bulk Specific Gravity		0		
8	Average Apparent Specific Gravity		0		
7	Average Water Absorption %		0		
Remarks:					
Tested by		Checked by		Random sample checked	
		Authority's Engineer		Client	
Tested by		Checked by		Random sample checked	

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SPECIFIC GRAVITY AND WATER ABSORPTION TEST					
IS 2386 - PART III					
Date of Sampling		1/1/2000	Date of Testing		1/1/2000
Sample No.			Source of Material		
Type of Material		Stone Dust	Sample At		
S No.	Description		Trial 1	Trial 2	Trial 3
1	Weight of Sample in Water	W1(gms)	0	0	0
2	Weight of SSD Sample	W2(gms)	0	0	0
3	Weight of Oven Dry Sample	W3(gms)	0	0	0
4	Bulk Specific Gravity	$=W3/(W2-W1)$	0	0	0
5	Apparent Specific Gravity	$=W3/(W3-W1)$	0	0	0
6	Water Absorption (%)	$= 100 \times (W2-W3)/W3$	0	0	0
7	Average Bulk Specific Gravity		0		
8	Average Apparent Specific Gravity		0		
7	Average Water Absorption %		0		
Remarks:					
Tested by		Checked by		Random sample checked	
		Authority's Engineer		Client	
Tested by		Checked by		Random sample checked	