

National Highway Authority of India					
Name of Work					
Name of Client					
Name of Consultant					
Name of Contractor					
SPECIFIC GRAVITY AND WATER ABSORPTION TEST					
IS 2386 - PART III					
Date of Sampling		1/1/2000		Date of Testing	
Sample No.				Source of Material	
Type of Material				Sample At	
S No.	Description		Trial 1	Trial 2	Trial 3
1	Weight of Sample in Water	W1(gms)	2025	2014	2030
2	Weight of SSD Sample	W2(gms)	3250	3240	3260
3	Weight of Oven Dry Sample	W3(gms)	3214	3204.5	3224
4	Bulk Specific Gravity	$=W3/(W2-W1)$	2.62367	2.61378	2.62114
5	Apparent Specific Gravity	$=W3/(W3-W1)$	2.70311	2.69173	2.70017
6	Water Absorption (%)	$= 100 \times (W2-W3)/W3$	1.1201	1.10782	1.11663
7	Average Bulk Specific Gravity		2.61953		
8	Average Apparent Specific Gravity		2.69834		
7	Average Water Absorption %		1.11485		
Remarks:					
Tested by		Checked by		Random sample checked	
		Authority's Engineer		Client	
Tested by		Checked by		Random sample checked	

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Sample No.				Source of Material					
Type of Material				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:									
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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					
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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	
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