

Logo		Project Details		
Project	:			
Client	:	National Highways Authority of India		
Independent Engineer	:			
Conssionaire/EPC	:			
CALIBRATION OF POURING CYLINDER				
[As per IS 2720 (Part - 28)]				
Location		Date of testing		
Pouring Set No.		Next Date		
Cylinder Dia	100 mm Dia	Sand Source		
Description	Trials			Remarks
	1	2	3	
Wt. of Sand + Cylander before pouring W1 (g)	6000	6000	6000	(W1-W2) shall be equal to wt. of sand in the calibrating container
Wt. of Sand + Cylander after pouring W2 (g)	5660	5665	5660	
Wt. of Sand in Cone collected on the Plate, (W1-W2) (g)	340	335	340	Direct Measurments
Avg. Wt. of Sand in Cone collected on the plate, W3 (g)	338			
BULK DENSITY (UNIT WEIGHT) OF THE TEST SAND				
Wt. of Sand + Cylander before pouring W4 (g)	6000	6000	6000	Same W1 (as before) to be taken
Wt. of Sand + Cylander after pouring in Container W5 (g)	4100	4090	4090	
Wt. of Sand in Container + Cone W6= (W4-W5) (g)	1900	1910	1910	
Wt. of Sand in Container W7=(W6-W3)	1562	1572	1572	
Volume of the Container, cc (V) W8	1160			By actual measurment.
Bulk Density g/cc (W7/W8)	1.346	1.355	1.355	
Avg. Bulk Density g/cc	1.352			
Note: Sand to be used shall be clean uniformly graded natural sand passing 1.00 mm sieve and retained on 600 micron sieve				
RESULTS				
1. Average Bulk Density of Sand	1.352	gm/cc		
2. Weight of sand in Cone of the pouring cylinder	338	gm		
Remarks:				
For EPC Contractor's Representative			For AE/IE/PMC Representative	
Name : _____			Name : _____	
Sign.: _____			Sign.: _____	
Date: _____			Date: _____	

Logo	Project Details							
Project	:							
Client	:							
Independent Engineer	:							
EPC Contractor	:							
<u>CALIBRATION OF POURING CYLINDER</u>								
[As per IS 2720 (Part - 28)]								
Location		Date of testing						
Pouring Set No.		Next Date						
Cylinder Dia	200MM	Sand Source						
Description	Trials			Remarks				
	1	2	3					
Wt. of Sand + Cylinder before pouring W1 (g)	27000	27000	27000	(W1-W2) shall be equal to wt. of sand in the calibrating container				
Wt. of Sand + Cylinder after pouring W2 (g)	24373	24272	24279					
Wt. of Sand in Cone collected on the Plate, (W1-W2) (g)	2627	2728	2721	Direct Measurements				
Avg. Wt. of Sand in Cone collected on the plate, W3 (g)	2692							
BULK DENSITY (UNIT WEIGHT) OF THE TEST SAND								
Wt. of Sand + Cylinder before pouring W4 (g)	27000	27000	27000	Same W1 (as before) to be taken				
Wt. of Sand + Cylinder after pouring in Container W5 (g)	14325	14325	14320					
Wt. of Sand in Container + Cone W6= (W4-W5) (g)	12675	12675	12678					
Wt. of Sand in Container W7=(W6-W3)	9983	9985	9977					
Volume of the Container, cc (V) W8	7652			By actual measurement.				
Bulk Density g/cc (W7/W8)	1.305	1.305	1.304					
Avg. Bulk Density g/cc	1.304							
Note: Sand to be used shall be clean uniformly graded natural sand passing 1.00 mm sieve and retained on 600 micron sieve								
RESULTS								
<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">1. Average Bulk Density of Sand</td> <td style="width: 50%;">: 1.304 gm/cc</td> </tr> <tr> <td>2. Weight of sand in Cone of the pouring cylinder</td> <td>: 2692 gm</td> </tr> </table>					1. Average Bulk Density of Sand	: 1.304 gm/cc	2. Weight of sand in Cone of the pouring cylinder	: 2692 gm
1. Average Bulk Density of Sand	: 1.304 gm/cc							
2. Weight of sand in Cone of the pouring cylinder	: 2692 gm							
Remarks:								
<u>For EPC Contractor's Representative</u>			<u>For AE/IE/PMC Representative</u>					
Name : _____			Name : _____					
Sign.: _____			Sign.: _____					
Date: _____			Date: _____					