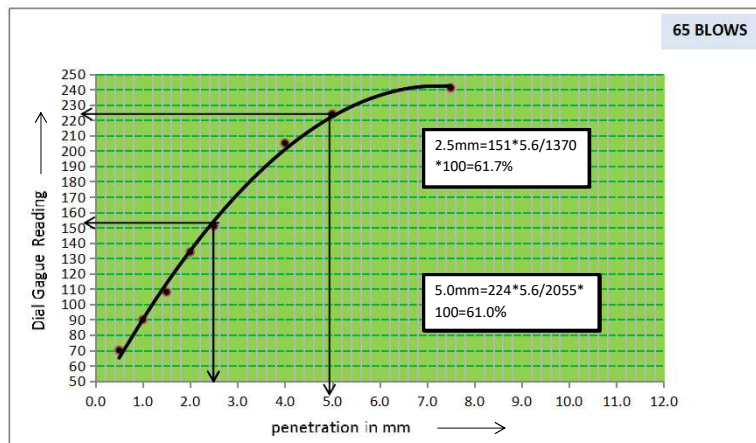
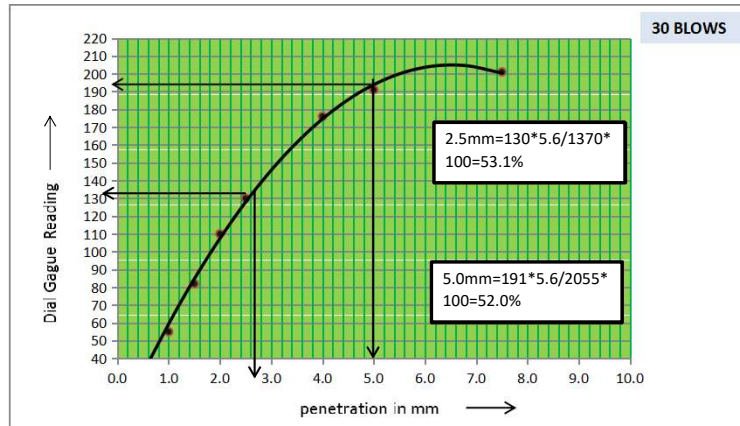
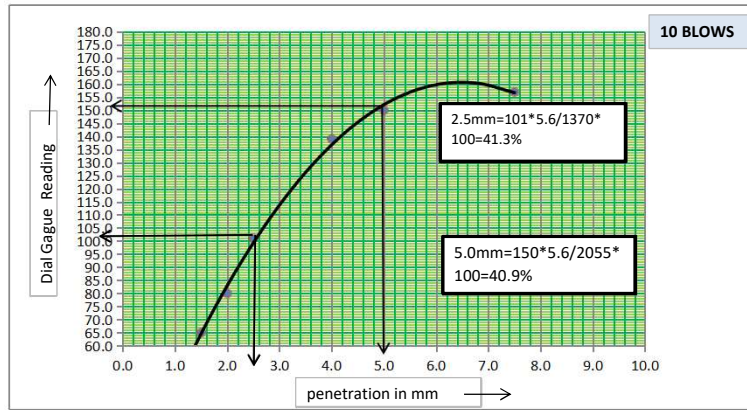


Logo	CALIFORNIA BEARING RATIO (CBR) TEST SOAKED IS:2720-Part-16/ (ASTM 1883)						
Project							
Employer/Authority	: National Highway Authority of India (NHAI)						
Authority Engineer	:						
EPC Contractor	:						
Location of Q.C. Laboratory	:-				Date of casting	:-	
Date Sampled	:-				Date Tested	:-	
Source of Material	:-				Sampled by	:Jointly	
Location of Material	:-				Tested by	:Jointly	
M.D.D.(G/CC)	2.32				O.M.C.(%)	4.4	
Test Condition							
	Before Soaking			After Soaking			
No. of Blows	10	30	65	10	30	65	
Mould No.	9	19	27	9	19	27	
Vol.of Mould	2250	2250	2250	2250	2250	2250	
Mould+Wet Soil (G)	12020.0	12902.0	12711.0	12043.0	12927.0	12751.0	
Wt. of Mould (g)	7122	7644	7207	7122	7644	7207	
Wet Soil (g)	4898	5258	5504	4921	5283	5544	
Wet Density (g/cc)	2.177	2.337	2.446	2.187	2.348	2.464	
Can No.	4	6	1	7	3	5	
Empty wt of can	306.16	327.4	312.27	470.66	312.8	316.94	
Can+Wet Soil (g)	554.87	656.99	771.63	833.26	763.87	727.61	
Can+ Dry Soil (g)	544.16	643.4	752.27	815.66	742.8	706.94	
Wt. of Water (g)	10.71	13.59	19.36	17.60	21.07	20.67	
Wt. of Dry Soil (g)	238	316	440	345	430	390	
Moisture Content (%)	4.5	4.3	4.4	5.1	4.9	5.3	
Dry Density (g/cc)	2.083	2.241	2.343	2.081	2.238	2.340	
% of compaction	89.79	96.58	101.00				
Avg. M/C (%)	4.40			5.1			
Test Data							
Proving Ring Factor =		5.6					
Penetration mm	Dial reading	Load (Kg)	Dial Reading	Load (Kg)	Dial Reading	Load (Kg)	
0.5	29	162.4	35	196	70	392	
1.0	45	252	55	308	90	504	
1.5	65	364	82	459.2	108	604.8	
2.0	80	448	110	616	134	750.4	
2.5	101	565.6	130	728	151	845.6	
4.0	139	778.4	176	985.6	205	1148	
5.0	150	840	191	1069.6	224	1254.4	
7.5	157	879.2	201	1125.6	241	1349.6	
10							
Final Moisture Content Determination							
Can No.							
Empty wt of can							
Can+Wet Soil (g)							
Can+ Dry Soil (g)							
Moisture Content (%)							
Avg. M/C (%)							
Remarks :-							
EPC Contractor's Representative				Authority Engineer's Representative			



CBR	Compaction
41.4	89.80
53.1	96.50
62	100.50

