

Logo		Project Details			
Client	:				
Independent Engineer	:				
Concessionaire	:				
EPC Contractor	:				
FREE SWELL INDEX [As per IS: 2720 (PART - 40)]					
Lab Job No.		Date of Sampling			
Location/Source (km)		Date of testing			
Type of Material		Sampled by			
Proposed Use		Tested by			
Sl.No	Description	Formulae	Trails		
			1	2	3
1	Volume of Specimen in Graduated Cylinder Containing Distilled Water after 24 hrs (ml)	vd	11	12.5	11.75
2	Volume of Specimen in Graduated Cylinder Containing Kerosene after 24 hrs (ml)	vk	10	10	10
3	Difference of Volume in Water & Kerosene (ml)	(vd-vk)	1	2.5	1.75
4	Free Swell Index (In %)	$\frac{(vd - vk) \times 100}{vk}$	10	25	17.5
	Average		17.5		
Remarks :					
EPC Contractor Representative Concessionaire Representative Independent Engineer Representative					
Notes: 1. Test sample shall be passing 425 micron sieve. 2. Take 10 gms of each sample. 3. As per MORT&H clause 305.2.1.2 Free Swelling Index exceeding 50% shall not be used as fill material.					