

Objectives and Course Content of Short Term Courses

Operational Plan No.	CE28
Name of the Course	Foundation for Bridges
Objectives of Course	<p>To:</p> <ul style="list-style-type: none"> • List various types of foundations for bridges • List special factors for consideration of foundations under water • Determine carrying capacity of Driven Piles, Bored & Cast-in-Situ type • Know various methods of construction of Pile • Determine sizes of various components of a well foundations • Determine carrying capacity of Well Foundation • Know method of construction of Well foundation
Course Content	<ul style="list-style-type: none"> • Types of foundation for bridges, classification • Pile Foundations – their capacity, suitability of use, construction techniques • Determination of the Pile capacity by BIS method • Well Foundations – their suitability, design of well foundations and construction methods • Caissons – their applications, suitability • Special considerations for foundations in water • IRC – Guidelines for Well Foundations
Name of Course Coordinator with E-mail ID & Contact Number	<p>Er. Ajay Kr. Duggal Associate Professor Civil Engineering Department e-mail : duggal_ajay@rediffmail.com 0172-2759564, 09815752526</p>