

<b>Laboratory</b>	<b>Civil-Aid Technoclinic Private Limited, No. 1030, 13<sup>th</sup> Cross, Attimabbe Road, Banashankari 2nd Stage, Bangalore, Karnataka</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Non-Destructive Testing</b>	<b>Issue Date</b>	<b>30.01.2014</b>
<b>Certificate Number</b>	<b>T-0784</b>	<b>Valid Until</b>	<b>29.01.2016</b>
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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
<b>1.</b>	<b>BUILDING MATERIALS – REINFORCED CONCRETE STRUCTURE</b>			
<b>1</b>	<b>Reinforced Concrete</b>	a) Rebound Hammer	IS: 13311-(Part II)-1992- (Reaffirmed 2008)	10 to 100
		b) Ultrasonic Pulse Velocity Test	IS: 13311-(Part I)-1992- (Reaffirmed 2008)	0.1 to 9999 $\mu$ sec (0.1 to 5.0 km/sec)
		c) Covermeter Test	BS: 1881-(Part 204)	1 to 90 mm
		d) Half-Cell Potential Test	ASTM C-876-91	1 to 999 mV
		e) Carbonation Test	BS: 1881-(Part 201)-1986	-
		f) Non-Destructive Integrity testing of piles	IS: 14893-2001 (Reaffirmed 2010) D 5882-96 (ASTM)	-
<b>2</b>	<b>RC Structures / RC Poles</b>	a) Deflection measurement Test (Load test)	IS: 456-2000 (Reaffirmed 2011)	0.01 to 25 mm
		b) Measurement of Crack width	IS: 456-2000 (Reaffirmed 2011) IRC Special Publication 35 (Appendix 6)	0.05 to 3 mm
<b>3</b>	<b>RCC/PSC Spun Poles</b>	Transverse Load Test (Steel Scale)	IS: 785-1998 (Reaffirmed 2009), IS: 1678-1998 (Reaffirmed 2008) and IS: 2905-1989 – (Reaffirmed 2012)	1 to 100 cm

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
<b>II. METAL &amp; ALLOYS</b>				
1	Steel Member	Ultrasonic Thickness Gauge	IS: 15435-2003 (Reaffirmed 2008)	1 to 225 mm
2	Welded joints	Dye Penetration Test	IS: 3658-1999 (Reaffirmed 2010)	Defects open to surface

-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-