



# NABL

## National Accreditation Board for Testing and Calibration Laboratories

Department of Science & Technology, India

### CERTIFICATE OF ACCREDITATION

#### EMI/EMC TEST FACILITY, LINKWELL TELESYSTEMS PVT. LTD.

has been assessed and accredited in accordance with the standard

### ISO/IEC 17025:2005

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

B-45, Electronic Complex, Kushaiguda, Hyderabad

in the field of

### ELECTRICAL TESTING

(You may also visit NABL website [www.nabl-india.org](http://www.nabl-india.org) to view the scope of accreditation)

Certificate Number T-2166

Issue Date 09/03/2012



Valid Until 08/03/2014

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the additional requirements of NABL.

Signed for and on behalf of NABL

Bibin Philip  
Convener

Anil Relia  
Director

Dr. T. Ramasami  
Chairman



# रा.प्र.प्र.बो.

राष्ट्रीय परीक्षण और अंशशोधन  
प्रयोगशाला प्रत्यायन बोर्ड  
विज्ञान एवं प्रौद्योगिकी विभाग, भारत

प्रत्यायन प्रमाण-पत्र

ई एम आई/ई एम सी टेस्ट फेसिलिटी, लिंकवेल टेलीसिस्टम्स प्रा. लि.

का मूल्यांकन और प्रत्यायन निम्न मानक के अनुसार

आई.एस.ओ./आई.ई.सी. 17025:2005

“परीक्षण एवं अंशशोधन प्रयोगशालाओं की सक्षमता की सामान्य अपेक्षाएँ”

हैदराबाद

में स्थित इसकी सुविधाओं के लिए

विद्युत परीक्षण

के क्षेत्र में किया गया।

प्रमाण-पत्र संख्या प-2166

जारी करने की तिथि 09/03/2012



वैधता की तिथि 08/03/2014

यह प्रमाण-पत्र उपर्युक्त मानक तथा राष्ट्रीय परीक्षण और अंशशोधन प्रयोगशाला प्रत्यायन बोर्ड की अतिरिक्त अपेक्षाओं का निरंतर संतोषप्रद अनुपालन किए जाने पर अनुबंध में निर्दिष्टानुसार प्रत्यायन के क्षेत्र के लिए वैध रहेगा।

रा.प्र.प्र.बो. की ओर से हस्ताक्षरित

विविन फिलिप

विविन फिलिप  
संयोजक

अनिल रेलिया

अनिल रेलिया  
निदेशक

डा. टी. रामसामी

डा. टी. रामसामी  
अध्यक्ष





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**Department of Science & Technology, India**

## SCOPE OF ACCREDITATION

Laboratory	EMI/EMC Test Facility, Linkwell Telesystems Pvt. Ltd., B- 45, Electronic Complex, Kushaiguda, Hyderabad		
Accreditation Standard	ISO/IEC 17025: 2005		
Field	Electrical Testing	Issue Date	09.03.2012
Certificate Number	T-2166	Valid Until	08.03.2014
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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><u>EMI/ EMC TESTING</u></b>				
1.	All Electrical & Electronic products	Electrostatic Discharge Immunity	IEC 61000 4-2: 2001-04 IS 13779: 1999	Pulse Amplitude: ± 2kV to ± 15 kV Contact & Air Discharge
		Radiated, Radio-Frequency electromagnetic field immunity (Radiated Susceptibility)	IEC 61000-4-3: 2002-09	Frequency Range: 80MHz to 1GHz Field Strength: 1V/m to 10V/m
		Electrical Fast Transient Burst	IEC 61000-4-4: 2004-07	Pulse Amplitude: ± 0.5kV to ± 4 kV Burst Frequency: 5kHz
		Surge Immunity	IEC 61000-4-5: 2005-11	Surge Voltage: ± 0.5kV to ± 4 kV Pulse Shape : 1.2/50µs / 8/20µs
		Immunity to conducted disturbances, induced by radio-frequency field (Conducted Susceptibility)	IEC 61000-4-6: 2004-11	Frequency Range: 150kHz to 80 MHz Field Strength: 1V/m to 10V/m
		Voltage Dips & Short Interruptions	IEC 61000-4-11: 2004-03	Dips: 0 %, 40%, 70%, 80%
		Conducted Emissions	CISPR 22: 2005	Frequency: 150kHz to 30MHz Limits: Class A & Class B
		Radiated Emissions	CISPR 22: 2005	Frequency: 30MHz to 1GHz Limits: Class A & Class B

Convenor



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#### ENVIRONMENTAL TESTING

2.	All Electrical & Electronic products	Cold	IS 9000 (Part II)-1997 (Reaffirmed 2004) IEC 60068 2-1: 1990 IS 13779:1999 IEC 62052-2-11: 2003	Temperature: -40°C to + 5°C
		Dry Heat	IS 9000 (Part III)-1977 (Reaffirmed 2004) IEC 61000-2-2:2007 IEC 62052-2-11:2003 IS 13779:1999	Temperature: 40°C to 175°C
		Damp Heat (Cyclic)	IS 9000 (Part V)-1981 (Reaffirmed 2004) IEC 60068-2-30:2007 IEC 62052-2-11:2003	Temperature: 40°C to 55°C RH: 95%
		Damp Heat (Steady State)	IS 9000 (part IV)-2008 IEC 60068 -2-78:2001	Temperature: 30°C/ 40°C RH: 85%/ 95%
		Vibration (Sinusoidal)	IS 9000 (Part VIII)-1981 (Reaffirmed 2003) IEC 62052-11: 2003 IEC 60068-2-6: 2007 IS 13779:1999	Frequency: 5Hz to 500 Hz Displacement Amplitude: 10mm Acceleration: 0.5 g to 10 g
		Shock	IS 9000 (Part VII)-1979 IEC 60068-2-27: 2008	Acceleration: 4000 m/s <sup>2</sup> Pulse Shape: Half sine Pulse Duration: 0.5 ms to 11 ms

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