

**Laboratory**

**EMTAC Laboratories Private Limited, Plot No. 11/6, Road No. 9, IDA, Nacharam Rangareddy, Keesara, Hyderabad, Telangana**

**Location 1 - Plot No. 11/6, Road No. 9, IDA, Nacharam Rangareddy, Keesara, Hyderabad, Telangana**

**Location 2 - 202 & 203, NSIC Business Park, Kushaiguda, Hyderabad, Telangana**

**Accreditation Standard ISO/IEC 17025: 2005**

**Discipline Electronics Testing**

**Issue Date 29.01.2016**

**Certificate Number T-3778**

**Valid Until 10.09.2017**

**Last Amended on -**

**Page 1 of 9**

<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>
---------------	-----------------------------------	--------------------------------	--	---

**LOCATION 2**

**I. IT EQUIPMENTS**

<b>1.</b>	<b>Information Technology Equipment (Safety)</b>  <b>(Power Adapters for IT Equipments, Cash Registers, Point of Sale Terminals, Copying Machines / Duplicators, Smart Card Readers, Mail Processing/ Postage / Franking Machines, Passport Reader, Laptops / Notebook / Tablets, Visual Display Units, Video Monitors of Screen Sizes 32" &amp; above, Printers / Plotters, Scanners, Telephone Answering Machine, Automatic Data Processing Machines &amp; Mobile Phones)</b>	Power Interface	IS 13252 (Part 1): 2010 Clause. 1.6 Amd. 1: 2013 IEC 60950-1: 2005, Amd. 1: 2009	1 V AC to 300V AC 1 V DC to 80 V DC 5 mA AC to 16 A AC 5 mA DC to 20 A DC 75 W AC to 4800 W AC 75 W DC to 1600 W DC 10 Hz to 100 kHz
		Marking and Instructions	IS 13252 (Part 1): 2010 Clause. 1.7 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	Qualitative
		Durability of Marking	IS 13252 (Part 1): 2010 Clause. 1.7.11 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	Qualitative
		Protection from electric shock and energy hazards	IS 13252 (Part 1): 2010 Clause. 2.1 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	Qualitative
		Protection in operator access area	IS 13252 (Part 1): 2010 Clause. 2.1.1 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	Qualitative
		Access to energized parts	IS 13252 (Part 1): 2010 Clause. 2.1.1.1 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	1 V to 60 V

**Laboratory**

**EMTAC Laboratories Private Limited, Plot No. 11/6, Road No. 9, IDA, Nacharam Rangareddy, Keesara, Hyderabad, Telangana**

**Location 1 - Plot No. 11/6, Road No. 9, IDA, Nacharam Rangareddy, Keesara, Hyderabad, Telangana**

**Location 2 - 202 & 203, NSIC Business Park, Kushaiguda, Hyderabad, Telangana**

**Accreditation Standard ISO/IEC 17025: 2005**

**Discipline Electronics Testing**

**Issue Date 29.01.2016**

**Certificate Number T-3778**

**Valid Until 10.09.2017**

**Last Amended on -**

**Page 2 of 9**

<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>Information Technology Equipment (Safety)</b>	Access to ELV wiring	IS 13252 (Part 1): 2010 Clause. 2.1.1.3 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	0.50 kV to 5 kV 300mm
	<b>(Power Adopters for IT Equipments, Cash Registers, Point of Sale Terminals, Copying Machines / Duplicators, Smart Card Readers, Mail Processing/ Postage / Franking Machines, Passport Reader, Laptops / Notebook / Tablets, Visual Display Units, Video Monitors of Screen Sizes 32" &amp; above, Printers / Plotters, Scanners, Telephone Answering Machine, Automatic Data Processing Machines &amp; Mobile Phones)</b>	Access to hazardous voltage circuit wiring	IS 13252 (Part 1): 2010 Clause. 2.1.1.4 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	1 V to 60 V
		Energy hazards	IS 13252 (Part 1): 2010 Clause. 2.1.1.5 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	1 V AC to 300V AC 75 W to 3000 W
		Manual controls	IS 13252 (Part 1): 2010 Clause. 2.1.1.6 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	0.50 kV to 5 kV
		Discharge of capacitors in equipment	IS 13252 (Part 1): 2010 Clause. 2.1.1.7 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	1 ns to 5 s 1 V AC to 300V AC
		Energy hazards – d.c. main supplies	IS 13252 (Part 1): 2010 Clause. 2.1.1.8 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	1 V AC to 300 V AC 75 W to 3000 W 1 V DC to 80V DC
		Protection in service access area	IS 13252 (Part 1): 2010 Clause. 2.1.2 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	Qualitative
		SELV circuits	IS 13252 (Part 1): 2010 Clause. 2.2 8 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	1 V DC to 80V DC 1 V AC to 300 V AC, 0.01 $\mu$ A AC/DC to 10 A AC/DC

**Laboratory****EMTAC Laboratories Private Limited, Plot No. 11/6, Road No. 9, IDA, Nacharam Rangareddy, Keesara, Hyderabad, Telangana****Location 1 - Plot No. 11/6, Road No. 9, IDA, Nacharam Rangareddy, Keesara, Hyderabad, Telangana****Location 2 - 202 & 203, NSIC Business Park, Kushaiguda, Hyderabad, Telangana****Accreditation Standard ISO/IEC 17025: 2005****Discipline Electronics Testing****Issue Date 29.01.2016****Certificate Number T-3778****Valid Until 10.09.2017****Last Amended on -****Page 3 of 9**

<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>Information Technology Equipment (Safety)</b>	Connection of TNV circuits to other circuits	IS 13252 (Part 1): 2010 Clause. 2.3 4 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	1 V DC to 80 V DC 1 V AC to 300V AC 0.01 $\mu$ A AC/DC to 10 A AC/DC 0.50 kV to 5 kV
	<b>(Power Adopters for IT Equipments, Cash Registers, Point of Sale Terminals, Copying Machines / Duplicators, Smart Card Readers, Mail Processing/ Postage / Franking Machines, Passport Reader, Laptops / Notebook / Tablets, Visual Display Units, Video Monitors of Screen Sizes 32" &amp; above, Printers / Plotters, Scanners, Telephone Answering Machine, Automatic Data Processing Machines &amp; Mobile Phones)</b>	Test for operating voltages generated externally	IS 13252 (Part 1): 2010 Clause. 2.3.5 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	0.01 V DC to 1000 VDC 0.01 V AC to 750 VAC 0.01 $\mu$ A AC/DC to 10 A AC/DC
		Limited Current Circuit	IS 13252 (Part 1): 2010 Clause. 2.4 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	0.01 $\mu$ A AC/DC to 10 A AC/DC & Qualitative
		Limited Power Sources	IS 13252 (Part 1): 2010 Clause. 2.5 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	0.01 V DC to 1000V DC 0.01 VAC to 750 VAC 0.01 $\mu$ A AC/DC to 10 A AC/DC
		Provision for earthing and Bonding	IS 13252 (Part 1): 2010 Clause. 2.6 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	4.9 A to 32 A 3.1 V to 15 V 0.01 $\Omega$ to 1 $\Omega$
		Size of protective earthing conductors	IS 13252 (Part 1): 2010 Clause. 2.6.3.2 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	0.01 mm to 25 mm

**Nikhil Kumar  
Convenor****N. Venkateswaran  
Program Manager**

**Laboratory****EMTAC Laboratories Private Limited, Plot No. 11/6, Road No. 9, IDA, Nacharam Rangareddy, Keesara, Hyderabad, Telangana****Location 1 - Plot No. 11/6, Road No. 9, IDA, Nacharam Rangareddy, Keesara, Hyderabad, Telangana****Location 2 - 202 & 203, NSIC Business Park, Kushaiguda, Hyderabad, Telangana****Accreditation Standard ISO/IEC 17025: 2005****Discipline Electronics Testing****Issue Date 29.01.2016****Certificate Number T-3778****Valid Until 10.09.2017****Last Amended on -****Page 4 of 9**

<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>Information Technology Equipment (Safety)</b>	Size of protective bonding conductors	IS 13252 (Part 1): 2010 Clause. 2.6.3.3 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	0.01 mm to 25 mm
	<b>(Power Adopters for IT Equipments, Cash Registers, Point of Sale Terminals, Copying Machines / Duplicators, Smart Card Readers, Mail Processing/ Postage / Franking Machines, Passport Reader, Laptops / Notebook / Tablets, Visual Display Units, Video Monitors of Screen Sizes 32" &amp; above, Printers / Plotters, Scanners, Telephone Answering Machine, Automatic Data Processing Machines &amp; Mobile Phones)</b>	Resistance of earthing conductors and their terminations	IS 13252 (Part 1): 2010 Clause. 2.6.3.4 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	4.9 A to 32 A 3.1 V to 15 V
		Terminals	IS 13252 (Part 1): 2010 Clause. 2.6.4.1 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	0.01 mm to 25 mm 0.01 mm to 300 mm
		Over current and earth Fault protection in primary Circuits	IS 13252 (Part 1): 2010 Clause. 2.7 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	Qualitative
		Safety interlocks	IS 13252 (Part 1): 2010 Clause. 2.8.1 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	Qualitative
		Electrical insulation	IS 13252 (Part 1): 2010 Clause. 2.9 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	20 °C to 40 °C 90 % RH to 95 % RH 0.01 kV to 5 kV
		Properties of insulating materials	IS 13252 (Part 1): 2010 Clause. 2.9.1 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	0.5 kV to 5 kV
		Humidity conditioning	IS 13252 (Part 1): 2010 Clause. 2.9.2 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	20 °C to 40 °C 90 % RH to 95 % RH

**Nikhil Kumar  
Convenor****N. Venkateswaran  
Program Manager**

**Laboratory**

**EMTAC Laboratories Private Limited, Plot No. 11/6, Road No. 9, IDA, Nacharam Rangareddy, Keesara, Hyderabad, Telangana**

**Location 1 - Plot No. 11/6, Road No. 9, IDA, Nacharam Rangareddy, Keesara, Hyderabad, Telangana**

**Location 2 - 202 & 203, NSIC Business Park, Kushaiguda, Hyderabad, Telangana**

**Accreditation Standard ISO/IEC 17025: 2005**

**Discipline Electronics Testing**

**Issue Date 29.01.2016**

**Certificate Number T-3778**

**Valid Until 10.09.2017**

**Last Amended on -**

**Page 5 of 9**

<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>Information Technology Equipment (Safety)</b>	Creepage Distance and Clearances, Distance through Insulation	IS 13252 (Part 1): 2010 Clause. 2.10 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	0.01 mm to 300 mm 20 °C to 40 °C 90 % to 95 % RH 0.5 kV to 5 kV
	<b>(Power Adopters for IT Equipments, Cash Registers, Point of Sale Terminals, Copying Machines / Duplicators, Smart Card Readers, Mail Processing/ Postage / Franking Machines, Passport Reader, Laptops / Notebook / Tablets, Visual Display Units, Video Monitors of Screen Sizes 32" &amp; above, Printers / Plotters, Scanners, Telephone Answering Machine, Automatic Data Processing Machines &amp; Mobile Phones)</b>	Determination of working voltage	IS 13252 (Part 1): 2010 Clause. 2.10.2 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	0.01 V DC to 1000 VDC 0.01 V AC to 750 VAC
		Clearances	IS 13252 (Part 1): 2010 Clause. 2.10.3 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	0.01 mm to 300 mm 0.01 mm to 10 mm 20 °C to 40 °C 90 % RH to 95 % RH 0.5 kV to 5 kV
		Minimum creepage distances	IS 13252 (Part 1): 2010 Clause. 2.10.4 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	0.01 mm to 300 mm 0.01 mm to 10 mm 20 °C to 40 °C 90 % RH to 95 % RH 0.5 kV to 5 kV
		Solid insulation	IS 13252 (Part 1): 2010 Clause. 2.10.5 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	0.5 kV to 5 kV 0.01 mm to 300 mm 0.01 mm to 10 mm
		Wiring, connections and supply	IS 13252 (Part 1): 2010 Clause. 3.0 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	Qualitative

**Laboratory**

**EMTAC Laboratories Private Limited, Plot No. 11/6, Road No. 9, IDA, Nacharam Rangareddy, Keesara, Hyderabad, Telangana**

**Location 1 - Plot No. 11/6, Road No. 9, IDA, Nacharam Rangareddy, Keesara, Hyderabad, Telangana**

**Location 2 - 202 & 203, NSIC Business Park, Kushaiguda, Hyderabad, Telangana**

**Accreditation Standard ISO/IEC 17025: 2005**

**Discipline Electronics Testing**

**Issue Date 29.01.2016**

**Certificate Number T-3778**

**Valid Until 10.09.2017**

**Last Amended on -**

**Page 6 of 9**

<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>Information Technology Equipment (Safety)</b>	Screws for electrical contact pressure	IS 13252 (Part 1): 2010 Clause. 3.1.6 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	Qualitative
	<b>(Power Adopters for IT Equipments, Cash Registers, Point of Sale Terminals, Copying Machines / Duplicators, Smart Card Readers, Mail Processing/ Postage / Franking Machines, Passport Reader, Laptops / Notebook / Tablets, Visual Display Units, Video Monitors of Screen Sizes 32" &amp; above, Printers / Plotters, Scanners, Telephone Answering Machine, Automatic Data Processing Machines &amp; Mobile Phones)</b>	Insulating materials in electrical connections	IS 13252 (Part 1): 2010 Clause. 3.1.7 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	Qualitative
		Termination of conductors	IS 13252 (Part 1): 2010 Clause. 3.1.9 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	Qualitative 10 N
		Power supply cords	IS 13252 (Part 1): 2010 Clause. 3.2.5 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	Qualitative
		Cord anchorage and strain relief	IS 13252 (Part 1): 2010 Clause. 3.2.6 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	100 g to 10 kg
		Mechanical Strength	IS 13252 (Part 1): 2010 Clause. 4.2.1 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	Qualitative 5 N to 49 N
		Steady force test, 10 N	IS 13252 (Part 1): 2010 Clause. 4.2.2 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	Qualitative 5 N to 49 N
		Steady force test, 30 N	IS 13252 (Part 1): 2010 Clause. 4.2.3 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	Qualitative 5 N to 49 N

**Nikhil Kumar  
Convenor**

**N. Venkateswaran  
Program Manager**

**Laboratory**

**EMTAC Laboratories Private Limited, Plot No. 11/6, Road No. 9, IDA, Nacharam Rangareddy, Keesara, Hyderabad, Telangana**

**Location 1 - Plot No. 11/6, Road No. 9, IDA, Nacharam Rangareddy, Keesara, Hyderabad, Telangana**

**Location 2 - 202 & 203, NSIC Business Park, Kushaiguda, Hyderabad, Telangana**

**Accreditation Standard ISO/IEC 17025: 2005**

**Discipline Electronics Testing**

**Issue Date 29.01.2016**

**Certificate Number T-3778**

**Valid Until 10.09.2017**

**Last Amended on -**

**Page 7 of 9**

<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>Information Technology Equipment (Safety)</b>	Steady force test, 250 N	IS 13252 (Part 1): 2010 Clause. 4.2.4 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	Qualitative 250 N
	<b>(Power Adopters for IT Equipments, Cash Registers, Point of Sale Terminals, Copying Machines / Duplicators, Smart Card Readers, Mail Processing/ Postage / Franking Machines, Passport Reader, Laptops / Notebook / Tablets, Visual Display Units, Video Monitors of Screen Sizes 32" &amp; above, Printers / Plotters, Scanners, Telephone Answering Machine, Automatic Data Processing Machines &amp; Mobile Phones)</b>	Impact Test	IS 13252 (Part 1): 2010 Clause. 4.2.5 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	Qualitative (500 g steel ball with 50 mm diameter)
		Drop Test	IS 13252 (Part 1): 2010 Clause. 4.2.6 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	1 mm to 5000 mm
		Stress Relief Test	IS 13252 (Part 1): 2010 Clause. 4.2.7 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	25 °C to 200 °C
		Wall or ceiling mounted equipments	IS 13252 (Part 1): 2010 Clause. 4.2.10 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	100 g to 10 kg
		Edge and corners	IS 13252 (Part 1): 2010 Clause. 4.3.1 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	Qualitative
		Handles and manual controls	IS 13252 (Part 1): 2010 Clause. 4.3.2 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	0.1 N to 49 N 59 min 59 s
		Adjustable controls	IS 13252 (Part 1): 2010 Clause. 4.3.3 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	Qualitative

**Laboratory****EMTAC Laboratories Private Limited, Plot No. 11/6, Road No. 9, IDA, Nacharam Rangareddy, Keesara, Hyderabad, Telangana****Location 1 - Plot No. 11/6, Road No. 9, IDA, Nacharam Rangareddy, Keesara, Hyderabad, Telangana****Location 2 - 202 & 203, NSIC Business Park, Kushaiguda, Hyderabad, Telangana****Accreditation Standard ISO/IEC 17025: 2005****Discipline Electronics Testing****Issue Date 29.01.2016****Certificate Number T-3778****Valid Until 10.09.2017****Last Amended on -****Page 8 of 9**

<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>Information Technology Equipment (Safety)</b>	Securing of parts	IS 13252 (Part 1): 2010 Clause. 4.3.4 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	Qualitative
	<b>(Power Adopters for IT Equipments, Cash Registers, Point of Sale Terminals, Copying Machines / Duplicators, Smart Card Readers, Mail Processing/ Postage / Franking Machines, Passport Reader, Laptops / Notebook / Tablets, Visual Display Units, Video Monitors of Screen Sizes 32" &amp; above, Printers / Plotters, Scanners, Telephone Answering Machine, Automatic Data Processing Machines &amp; Mobile Phones)</b>	Connection by plugs and sockets	IS 13252 (Part 1): 2010 Clause. 4.3.5 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	Qualitative
		Direct plug in equipment	IS 13252 (Part 1): 2010 Clause. 4.3.6 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	Qualitative
		heating element in earthed equipment	IS 13252 (Part 1): 2010 Clause. 4.3.7 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	Qualitative
		Batteries	IS 13252 (Part 1): 2010 Clause. 4.3.8 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	Qualitative
		Protection Against Hazardous Moving Parts	IS 13252 (Part 1): 2010 Clause. 4.4 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	Qualitative
		Thermal Requirements	IS 13252 (Part 1): 2010 Clause. 4.5 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	(-)100 °C to 1200 °C
		Temperature tests	IS 13252 (Part 1): 2010 Clause. 4.5.2 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	(-)100 °C to 1200 °C

**Nikhil Kumar  
Convenor****N. Venkateswaran  
Program Manager**



**Laboratory****EMTAC Laboratories Private Limited, Plot No. 11/6, Road No. 9, IDA, Nacharam Rangareddy, Keesara, Hyderabad, Telangana****Location 1 - Plot No. 11/6, Road No. 9, IDA, Nacharam Rangareddy, Keesara, Hyderabad, Telangana****Location 2 - 202 & 203, NSIC Business Park, Kushaiguda, Hyderabad, Telangana****Accreditation Standard ISO/IEC 17025: 2005****Discipline Electronics Testing****Issue Date 29.01.2016****Certificate Number T-3778****Valid Until 10.09.2017****Last Amended on -****Page 9 of 9**

<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>Information Technology Equipment (Safety)</b>	Resistance to abnormal heat	IS 13252 (Part 1): 2010 Clause. 4.5.5 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	25 °C to 200 °C 0.5 mm to 50 mm
	<b>(Power Adopters for IT Equipments, Cash Registers, Point of Sale Terminals, Copying Machines / Duplicators, Smart Card Readers, Mail Processing/ Postage / Franking Machines, Passport Reader, Laptops / Notebook / Tablets, Visual Display Units, Video Monitors of Screen Sizes 32" &amp; above, Printers / Plotters, Scanners, Telephone Answering Machine, Automatic Data Processing Machines &amp; Mobile Phones)</b>	Opening in Enclosure	IS 13252 (Part 1): 2010 Clause. 4.6 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	0.01 mm to 300 mm
		Resistance to Fire	IS 13252 (Part 1): 2010 Clause. 4.7 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	25 °C to 960 °C 60 s
		Touch current and Protective conductor current	IS 13252 (Part 1): 2010 Clause. 5.1 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	0.01 µA to 10 A
		Electric Strength	IS 13252 (Part 1): 2010 Clause. 5.2 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	0.50 kV to 5 kV
		Abnormal operating and fault Conditions	IS 13252 (Part 1): 2010 Clause. 5.3 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	(-)100 °C to 1200 °C
		Connections to telecommunication network	IS 13252 (Part 1): 2010 Clause. 6.1 Amd. 1: 2013 IEC 60950-1: 2005 Amd. 1: 2009	0.50 kV to 5 kV 0.50 kV to 12 kV

**-X-X-X-X-X-X-X-X-X-X-X-X-****Nikhil Kumar  
Convenor****N. Venkateswaran  
Program Manager**