National Accreditation Board for Testing and Calibration Laboratories
(A Constituent Board of Quality Council of India)

NABL/T–4006/M 16–04–2018

To

Mr. Manikandan Venkatesan
Reva Phoenix Metrology, Reva Complex
No. 14, 4th Cross, Rajarjeswari Nagar,
Madipakkam, Chennai–600091 (Tamil Nadu)
Phone: 044–22582668, Mobile: +91 9940564261
e–mail:mani.venkatesh@revaphoenix.com, director@revaphoenix.com

Subject: **Accreditation Certificate**

Dear Sir,

NABL is pleased to issue the Accreditation Certificate No.: TC–6977 (for Mechanical discipline of testing field) to your laboratory. The validity of this Accreditation Certificate is till 04–03–2020.

The undersigned may please be intimated, in case if accreditation status of your laboratory is not available in the Directory of NABL Accredited Testing Laboratories (NABL 400) by first week of next month. This directory may be downloaded from NABL website www.nabl-india.org >> Publications >> NABL Documents >> NABL 400 >> Download.

Your laboratory is required to refer and follow the guidelines given in NABL–133 while using NABL symbol (claiming the accreditation status). Apart from the above, being an accredited laboratory of NABL you must fulfill all the Terms and Conditions laid down in our document NABL–131 and agreed by you.

Further, kindly treat this letter as a reminder for the on-site Surveillance Assessment of your laboratory which will be due in the month of March 2019.

Kindly acknowledge the receipt.

Yours sincerely,

16/4/18

Naveen Jangra
Assistant Director
Phone 0124 4679731
naveen@nabl.qcin.org

Enclosure: Accreditation Certificate (TC–6977)

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

CERTIFICATE OF ACCREDITATION

REVA PHOENIX METROLOGY

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

Reva Complex, No. 14, 4th Cross, Rajarajeswari Nagar, Madipakkam, Chennai, Tamil Nadu

in the field of

TESTING

Certificate Number TC-6977

Issue Date 05/03/2018 **Valid Until** 04/03/2020

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

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Signed for and on behalf of NABL

N. Venkateswaran
Program Director

8907697010003000 1026

Anil Relia
Chief Executive Officer

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory	**Reva Phoenix Metrology, Reva Complex, No. 14, 4th Cross, Rajarajeswari Nagar, Madipakkam, Chennai, Tamil Nadu**
Accreditation Standard	**ISO/IEC 17025: 2005**
Certificate Number	**TC-6977**
Validity	**05.03.2018 to 04.03.2020**

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection

MECHANICAL TESTING

I.	**MECHANICAL PROPERTIES OF METALS**			
1.	**Ferrous & Non Ferrous Metals Including Weld Metals (Sheets, Plates, Wires, Round bars, Shapes, Tubes and Pipes)**	Ultimate Tensile Strength	IS 1608 ASTM A370 ASTM E8/E8M ISO 6892-1 ASME (Sec IX) Cl.-QW 150	100 MPa to 1800 MPa (0 to 600 kN)
		Yield Strength		100 MPa to 1800 MPa (0 to 600 kN)
		Proof Strength at 0.2 % & 0.5% elongation		100 MPa to 1800 MPa (0 to 600 kN)
		% Elongation		1 % to 80 %
		% Reduction In Area		2 % to 80 %
		Rockwell Hardness–HRA	ASTM A370 IS 1586 (Part 1) ASTM E18	20 HRA to 88 HRA
		Rockwell Hardness–HRB		30 HRB to 100 HRB
		Rockwell Hardness–HRC		20 HRC to 70 HRC
		Vickers Hardness – HV	IS 1501 (Part 1) ASTM E92	100 HV to 800 HV (10 kgf and 30 kgf)
		Micro Vickers Hardness–HV	IS 1501 (Part 1) ASTM E384	100 HV to 1000 HV (300 gf, 500 gf and 1000 gf)
		Brinell Hardness – HBW	IS 1500 (Part 1) ASTM E10	100 HBW to 600 HBW (5 mm / 750 kgf and 10 mm / 3000 kgf)
		Charpy Impact (RT to – 196 °C)	ASTM A370 ASTM E23	4 J to 300 J ('V' Notch)
2.	**Ferrous & Non Ferrous Metals Including Weld Metals (Sheets, Plates, Wires, Round bars, Shapes, Tubes and Pipes)**	Bend Test	IS 1599 ASTM A370	Qualitative Mandrel Diameter: (10 mm, 12 mm, 16 mm, 25 mm, 32 mm, 40 mm, 45 mm, 50 mm, 75 mm and 100 mm)

Naveen Jangra
Convenor

N. Venkateswaran
Program Director

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory Reva Phoenix Metrology, Reva Complex, No. 14, 4th Cross, Rajarajeswari Nagar, Madipakkam, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6977 **Page 2 of 2**

Validity 05.03.2018 to 04.03.2020 **Last Amended on** --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
3.	Ferrous & Non Ferrous Weld Metals (Welded plates, T-joints, Welded Pipes & Tubes)	Bend Test– Face / Root / Side Bend	ASME (Sec IX) Cl.-QW 160 BSEN ISO 5173	Qualitative Mandrel Diameter: (10 mm, 12 mm, 16 mm, 25 mm, 32 mm, 40 mm, 45 mm, 50 mm, 75 mm and 100 mm)
		Fracture	ASME (Sec IX) (Method QW – 182)	Qualitative
4.	High strength deformed steel bars and wires	Re-bend Test	IS 1786	Qualitative Mandrel Diameter: (10 mm, 12 mm, 16 mm, 25 mm, 32 mm, 40 mm, 45 mm, 50 mm, 75 mm and 100 mm)
5.	Ferrous & Non Ferrous Pipes & Tubes (Including Welded Pipes & Tubes)	Flattening	ASTM A370 IS 2328	Qualitative
		Flaring (Flange)	ASTM A370	Qualitative
		Crush	ASTM A370	Qualitative
		Drift Expanding	IS 2335	Qualitative

Naveen Jangra
Convenor

N. Venkateswaran
Program Director