G L I M P S E
* Nilesh Rashmikant Pandya * Masters of Engineering – Electrical * Director, Electrical Testing Center, Vadodara * > 30 years of industrial experience, R&D, Management * Completed 13 research projects * Published 33 technical papers * Recipient of **Dr. Vikram Sarabhai Award** from Govt. of Gujarat and **NRDC Award** from Govt. of India * Technology transfer to Indian and US companies * Received National patent. * Organizing training courses * **NABL Technical Assessor (ID 1837)** * Active participation in BIS technical committees ETD-09 and ETD-033 as a Principal Member during 2009 to 2016 * Active participation as IEEMA CABLE division member during 2009 to 2016

1	**Name**	:	Nilesh Rashmikant Pandya
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3	**Birth Date**	:	03-03-1967
4	**Nationality**	:	Bharatiya Hindu Brahmin
5	**Language**	:	Gujarati, Hindi, English
6	**Educational career**	:	ME- Electrical Engineering

Title	Year	Percentage	University
ME	1999	69 %	M S University, Vadodara
BE	1995	72 %	M S University, Vadodara
DEE	1985	71 %	M S University, Vadodara

7 Professional career : Director, ETC- Vadodara

Position held	Organization	Duration
Director	Electrical Testing Center	2018 –cont.
GM- Technical cell	R R Kabel, Vadodara	2016- 18
Sr. Manager	ERDA, Vadodara	2013 – 16
Manager	ERDA, Vadodara	2009 – 13
Dy. Manager	ERDA, Vadodara	2007 – 09
Sr. Engineer	ERDA, Vadodara	2003 – 07
Engineer	ERDA, Vadodara	1998 - 2003
Asstt. Engineer	ERDA, Vadodara	1996 – 98
Sr. Tech. Assistant	ERDA, Vadodara	1994 – 96
Tech. Assistant	ERDA, Vadodara	1987 – 94
Apprentice Trainee	Jyoti Ltd, Vadodara	1986 – 87

8 ISO 17025 : NABL Technical Assessor – ID no. 1837

9 Patent

	Patent title	Date	National / International	Awarded
9.1	Online Fault Sensor for Oil filled Transformers Patent no. 204691	24-5-2001	National	Yes

10 R&D Projects : Completed 13 R&D projects

	Project Title	Organization
10.1	To study electrical treeing phenomenon in XLPE cables.	CBIP
10.2	Comparative evaluation of Indigenous and Imported round enameled winding wires	IEEMA, Mumbai
10.3	To recommend a computerized and quicker method for thermal class evaluation of insulating materials.	CBIP, New Delhi
10.4	Development of Electrochemical Hydrogen sensor	ERDA, Vadodara
10.5	Degradation characteristics of outer sheath of cables due to environmental stresses.	ERDA, Vadodara
10.6	Development of hydrogen sensor for power transformer application.	ERDA, Vadodara
10.7	Effect of surges on Enameled Winding wires for motor application.	ERDA, Vadodara
10.8	Development of surge generator for enameled wire testing.	ERDA, Vadodara
10.9	Comparative evaluation of thermal class of four slot insulating materials.	BBL, Thane
10.10	Field trials of fault sensor	PGCIL +BSES +KPTCL +AEC
10.11	Online Condition monitoring of electrical cables installed in Nuclear Power Plant.	BRNS, Mumbai
10.12	Development of modified version of fault sensor	ERDA, Vadodara
10.13	Application of LPG sensor for sensing evolved hydrogen in transformer.	ERDA, Vadodara

11 Outstanding professional achievement / Awards / Rewards

	Award	Institute	Year
11.1	BEST PRESENTATION' award	4th National seminar on Sensors' Vallabh Vidyanagar	1998
11.2	Dr. Vikram Sarabhai YOUNG SCIENTIST ' award	Govt. of Gujarat	2001
11.3	BEST PRODUCT' award for 'Online Fault Sensor' at International Exhibition	ELECRAMA -, Mumbai.	2002
11.4	N R D C' award	Govt. of India	2004
11.5	MAYLAVARAM' award for Excellence	ERDA	2005
11.6	3rd Best Paper award	CABLEWIRE – 2011 international conference	2011
11.7	Best R&D project	ERDA	2005
11.8	Best House keeping	ERDA	2010
11.9	Incentives awards	ERDA	2001 to 2011
11.10	Long service award	ERDA	2008
11.11	Technical excellence	ERDA	2010

12 Publication of Technical Papers in National / International conferences / Journals

	Title	Conference / Journal	Circulation	Date
12.1	ERDA's experience in testing of FRLS Cables	IEEMA Journal	National	August 1991
12.2	ERDA's experience in testing of LT PVC Cables	IEEMA Journal	National	August 1992.
12.3	Studies on Electrical treeing in some indigenous XLPE cables.	INSULEC-93, New Delhi	International	January-1993
12.4	Improvement of Dielectric strength of XLPE for EHV applications	POLYMER-94	International	February - 1994
12.5	Improvement of TIV of XLPE used for high voltage cable applications	International conference on Electrical Insulation & Dielectric phenomenon, Texas, USA	International	October-1994
12.6	Improvement in Oxidation Resistance characteristics of Polyethylene	National seminar on recent advances in Polymers, Indore	National	6-7 February 1995

12.7	Inhibition of tree in XLPE cables	Electrical engineering update, Vol.4, No.3	National	May-June-1996
12.8	Degradation characteristics of outer sheath of cables due to environmental stresses	4th International Conference – CABLEWIRE -96 Mumbai	International	January - 1996
12.9	Hydrogen sensor as a tool for power transformer protection	4th NSPTS –Vallabh Vidyanagar	National	February - 1997
12.10	Comparative evaluation of gas based protective systems of power transformer under simulated fault condition	5th TRAFOTECH-98– Mumbai	International	1998
12.11	Comparative evaluation of Thermal class of four slot insulating materials	5th ELROMA -99, – Mumbai	International	1999
12.12	A quicker and reliable screening method for thermal classification of insulating materials	IEEE International symposium on Electrical Insulation, Anaheim, USA,	International	April -2000
12.13	Development of Online Incipient fault sensor for power transformer	3rd CBIP International R&D Conference, Jabalpur	International	March -2000
12.14	Environmental degradation of FRLS cable sheath	-5th CABLEWIRE, Mumbai	International	2002
12.15	Online Evolved gas sensor –a new concept for protection of Power Transformer	9th NSPTS, Pune	National	March 2002.
12.16	LOCA Qualification of Cables – requirement for NPPs	Electrical Review	National	July-2002
12.17	IPAM- an ONLINE condition monitoring technique for cables installed	4th CBIP R&D conference on Water & Energy for 21st century, Aurangabad	National	January - 2003
12.18	LOCA qualification for reliability and safety	4th CBIP R&D conference on Water & Energy for 21st century, Aurangabad	National	January - 2003

12.19	Fault sensing through gas sensor –an advance technology in power transformer protection	4th CBIP R&D conference on Water & Energy for 21st century, Aurangabad	National	January - 2003
12.20	Condition monitoring of cables installed in Nuclear Power Plant	ICSD 2004 conference, France.	International	2004
12.21	Condition Assessment of Cables in service -the IPAM method –,	NCAM conference, Mumbai	National	2004
12.22	Online Condition monitoring of cables —August	Electrical review	National	2004
12.23	Online Condition monitoring of cables –a novel approach	INSULEC Mumbai	International	20-21 January-2005
12.24	Evaluation of Flammability testing of cables	International Fire, Safety, Security & Disaster Management Expo -, Mumbai	International	2007
12.25	Testing &Evaluation of Cables- an overview,	National CBIP Workshop, New Delhi	National	October-2007
12.26	Advanced Online Condition Assessment technique for cables	CABLEWIRE-, Mumbai	International	January - 2008
12.27	LOCA qualification for Motors –	ELROMA, , Mumbai	International	January - 2008
12.28	Case studies on LOCA qualification for cables.	CABLETECH, Bangalore	International	Nov. 2010
12.29	Development of nano filler based zero halogen fire resistant cable compound	CABLEWIRE-2011	International	Sept.2011
12.30	Solar Cable test facilities	CBIP	National	July 2015
12.31	Cables – Flammability evaluation	IEEMA journal	National	Sept. 2015
12.32	Solar cables for PV systems	Electrical India	National	Sept. 2015
12.33	Solar Cables	Electrical & Power info	National	Nov. 2015

13 Technology Transfer

13.1	Technology on 'Fault sensor for Power transformer' is transferred for commercial purpose to M/s New Delhi Laboratories, New Delhi.
13.2	Technology on 'Incipient Fault sensor' is transferred for commercial purpose to M/s Waukesha Transformer, USA.

14 Worked with Govt. organization

	Organization	**Committee**	**Nature of participation**
14.1	Bureau of Indian Standards	ETD-09 –Power Cables	Principle member
14.2	Bureau of Indian Standards	ETD-033 –Winding wires	Principle member
14.3	IEEMA	CABLE Division	Member
14.4	IEEMA	CABLEWIRE-2012	Technical committee member

15 Accreditation : Received BIS, NABL for ISO 17025, DGMS, IECEE- CB –UK, TUV-PS; Germany, ASTA- BEAB; UK and other accreditations for Cables

16 Organizer : Successfully organized training courses for industries, customer meets every year.

17 Cultural activities :

Sports : Champion – 1995, ERDA Table tennis tournament.
Interest in playing cricket, chess, volyball, kabbadi, swimming, driving

Music : Love classical songs, prayer, Sanskrit strotam, songs of Mukesh, Rafi and Lataji.

Politics : Sardar Patel, APJ Kalam, A Bajpaiee, Narendra Modi are favorite political leaders.

18 Ideology : 'SWADHYAY' : Rev. Pandurang Shashtri Athavale " DADAJI'

Nilesh Pandya