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1.0 ERDA's 50th Foundation Day Celebration

ERDA marked a significant milestone on March 13, 2024, as it celebrated its 50th Foundation Day with great fervor and enthusiasm. The day was commemorated in the traditional manner, starting with a morning function involving Guests, Customers, Managing Committee Members followed by a Cultural Program in the evening.



President - Mr. Tapan Tripathy delivering inspiring speech during the 50th ERDA Foundation Day

The morning function was graced by the presence of our esteemed Chief Guest Mr. Tejas Parmar,

IAS, Managing Director- Madhya Gujarat Vij Company Limited and Guest of Honour Mr. Yash Lala, Station Director, Kakarapar Atomic Power Station, Unit III & IV.



Vice President - Mr. Srinivasan S. delivering motivational speech

The presence of esteemed past leaders added a nostalgic and reflective touch to the event, highlighting the growth and accomplishments of ERDA over the years. It was a momentous day filled with gratitude, camaraderie, and a shared sense of pride in ERDA's journey.



Chief Guest - Mr. Tejas Parmar – IAS, M.D. MGVCL



The Guest Of Honour – Mr. Yash Lala – Station Director, Kakarapar Atomic Power Station, Unit III & IV delivering speech

Given the auspicious occasion of the 50th ERDA Foundation Day, a special gesture was incorporated into the celebrations by inviting past Presidents and Directors to join the function and honoring them with mementos. A delightful cake-cutting ceremony was held as part of the festivities, symbolizing the joyous occasion and the journey of ERDA over the past five decades.



Cake Cutting Ceremony with Past Directors & Presidents of ERDA

President's Speech

ERDA President, Shri Tapan Tripathy expressed his gratitude to Chief Guest Shri Tejas Parmar (IAS), Managing Director of Madhya Gujarat Vij Company Limited (MGVCL), and Guest of Honour Shri Yash Lala, Station Director of Kakrapar Atomic Power Station (KAPS, Unit III & IV), along with Mr. Srinivasan S., Vice-President of ERDA, Dr. Satish Chetwani, Director of ERDA, past Presidents and Directors of ERDA, valued Customers, Distinguished Guests, and ERDA Staff Members.

He acknowledged the remarkable journey of ERDA over 50 years, attributing its success to the collective efforts of the institution and its visionary leaders. He highlighted ERDA's national presence across four locations and its setups in utility premises, aiming to serve customers efficiently.

He announced new developments, including agreements for laboratory establishments, land procurement, and expansion plans. He emphasized ERDA's extensive customer base, membership count, and international accreditations, showcasing its reliability and recognition.

In closing, he thanked all attendees for their contributions to ERDA's growth and wished the organization a prosperous future.

Vice President's Speech

ERDA Vice President, Shri Srinivasan S, extended a warm greeting, acknowledging Chief Guest Shri Tejas Parmar (IAS), Managing Director of Madhya Gujarat Vij Company Limited (MGVCL), and Guest of Honour Shri Yash Lala, Station Director of Kakrapar Atomic Power Station (KAPS, Unit III & IV), along with Mr. Tapan Tripathy, President of ERDA, Dr. Satish Chetwani, Director of ERDA, Past Presidents and Directors of ERDA, esteemed Customers, Distinguished Guests, and ERDA Staff Members.

He highlighted ERDA's pride in celebrating its 50th Golden Jubilee Foundation Day, emphasizing its sustained excellence in electrical engineering, R&D technologies, and expert services. The Vice President mentioned the establishment of a dedicated "R&D and expert services" vertical focusing on Advanced Materials, Renewable energy, Power systems, Diagnostics, and New product development, catering to industry needs through contract research and sponsored projects. He also touched upon ERDA's completion of various R&D projects, submission of research proposals, and internal R&D initiatives in the past year.

He lauded ERDA's patent achievements, active participation in national & international conferences, and contributions in delivering expert talks. He highlighted ERDA's expert services, including root cause analysis for equipment failures, protection audits, power quality measurements, and energy audits for industries and utilities.

Furthermore, he mentioned ERDA's collaboration with academia and the development of new R&D facilities in areas like Protection & Automation, Electric Vehicle Supply Equipment, Advanced Materials, Centre of Excellence for Renewable Energy, and Energy Storage technologies.

In conclusion, the Vice President expressed gratitude to all guests and ERDA staff for their support, envisioning a bright future for ERDA as a leading R&D player in emerging technologies.

Director's Speech

ERDA Director, Dr. Satish Chetwani, welcomed esteemed guests including Chief Guest Shri Tejas Parmar (IAS), Managing Director of Madhya Gujarat Vij Company Limited (MGVCL),

Shri Yash Lala, Station Director of Kakrapar Atomic Power Station (KAPS, Unit III & IV), President Shri Tapan Tripathy, Vice-President Shri Srinivasan S, members of Management Committee, Past President Dr. Vijay Shah, Shri Sanjay Patki, Shri S. B. Gupte, Past Director Shri T. P. Govindan, Dr. S. S. Murthy, ERDA customers, Head of Divisions, Head of Sections, and colleagues to the 50th Foundation Day "Golden Jubilee" celebration of the Electrical Research & Development Association.



Director- Dr. Satish Chetwani delivering speech

Expressing gratitude, he thanked Shri Tejas Parmar, IAS, MD of MGCL, for accepting the invitation to be the chief guest for this significant occasion.

He highlighted the pride felt by everyone in being part of ERDA's Golden Jubilee celebrations, emphasizing the event as a time to honor past achievements and envision a promising future.

He then shared ERDA's achievements for the Financial Year 2023-24.

He highlighted achievements of various sections such as Business Development, Customer Relationship Management, and in-house testing laboratories like Switchgear Laboratory, Short Circuit Laboratory, Cable Test Laboratory, CTPT and PD Lab, Transformer Laboratory, Impulse Laboratories, Motor and Pump Laboratory, Magnetic Materials Laboratory, Appliance Laboratory, Energy Meter Laboratory, EMI-EMC Laboratory, Lamps & Luminaries Laboratory, Solar PV Module Laboratory, Solid Dielectric Laboratory, Liquid Dielectric Laboratory, Calibration Laboratory, ERDA-Rabale, ERDA- Gurugram, ERDA-Rajahmundry, Field Services as well as R&D and Expert Services.

Additionally, he mentioned about ERDA's paper, publications, invited talks, patents, R&D projects, accreditations and recognitions, engineering student visits, HR & employee

initiatives, ERDA celebrations including sports events, and concluded by expressing gratitude to all stakeholders for their support and contributions to ERDA's growth and success.

Inauguration of New Laboratories

• Solar Photovoltaic Laboratory

The role of new and renewable energy has been assuming increasing significance in recent times with the growing concern for the country's energy security. The global power sector is also undergoing an accelerated transformation due to technological innovations and response to climate change increasing renewables capacity to 500 GW by 2030. Among the various renewable energy resources, solar energy is indicating the highest growth in country's energy demand.

ERDA's solar photovoltaic module evaluation laboratory has been providing solar photovoltaic module testing services to the nation for more than one decade. ERDA is accredited by NABL, approved by MNRE and recognized by BIS.

In order to meet mandatory requirement of solar PV module testing under the Bureau of Indian Standards (BIS) Act as per the quality control order "The Gazette of India" of India's Ministry of New and Renewable Energy (MNRE), following new test facilities are augmented for solar PV Module testing as per IS 14286 & IEC 61215:

1. Electro-luminance test facility
2. Hail test facility
3. By pass diode test facility
4. Wet leakage current test facility
5. Hotspot endurance test facility
6. UV chamber for UV Preconditioning test facility
7. Measurement of NMOT & NOCT test facility
8. Robustness of termination test facility
9. Mechanical load test facility
10. Module breakage test facility
11. Outdoor exposure test facility

Facility was inaugurated by Chief Guest of the function Shri Tejas Parmar, IAS (Managing Director, Madhya Gujarat Vij Company Limited). NABL Accrediation and BIS recognition have been already received for augmented Solar PV Module Test facilities as per IS 14286 & IEC 61215.



Solar PV Module Laboratory Inaugurated by Shri Tejas Parmar (IAS) - Managing Director, Madhya Gujarat Vij Company Limited (MGVCL)

● 2400 kVp, 120 kJ High Voltage Impulse Voltage Laboratory

ERDA has established new 2400 kVp, 120 kJ Impulse laboratory for testing of HV/EHV Product at ERDA, Makarpura. This Impulse laboratory is unique in India as it finds its place in very few such third party NABL laboratories in the country. With the development of this facility, ERDA can undertake High Voltage Impulse Testing upto 2400 kVp test voltage.

High Voltage Impulse Laboratory was inaugurated by Shri Yash Lala, Station Director of Kakrapar Atomic Power Station (KAPS, Unit III & IV).

The new Impulse Laboratory will be utilized to generate impulse Test voltages like:

- Lightning Full wave Impulse voltage upto 2400 kVp
- Lightning Chopped wave Impulse Voltage upto 1800 kVp
- Switching Impulse Voltage upto 1600 kVp

With the help of such kind of facility we will be also able to conduct following Dielectric test :

- Lightning Impulse Voltage test upto 2400 kVp of wave shape 1.2/50 μ s
- Switching Impulse Voltage Test upto 1600 kVp of wave shape 250/2500 μ s
- Chopped Impulse Voltage Test upto 1800 kVp of Chopping time 2 to 6 μ s
- Multiple Chopped Impulse Test
- Steep Wave Front Test (1000 kV/ μ s & 2500 kV/ μ s)
- Transmitted Overvoltage Measurement Test

The above type tests are conducted on following products as per the applicable national & international standards:

- Distribution/Dry/Power Transformer/Reactor
- Instrument Transformer (CT/PT/CVT)
- Bushing/Insulator/LA Housing
- Switchgear Product (Isolator/Breaker/GIS/ HV Panel/Busduct)
- HT /EHT Cable
- On load/Off Load Tap Changer
- All Type of HV/EHV Product (for Dielectric Test)

This facility has been accredited by NABL as per ISO/IEC :17025 2017.



2400kVp High Voltage Impulse Laboratory Inaugurated by Shri Yash Lala, Station Director, Nuclear Power Corporation of India Limited (NPCIL)

Evening Celebration- Cultural Event

An evening cultural program was organized, featuring enthusiastic participation from employees and their families by vibrant dance and singing performances.





Participants showcasing mesmerising performances

2.0 R&D and Expert Services

2.1 Patents Granted

i) Silver and Carbon Nanotube Metal Composite Contact Tips for Switchgears

Patent No: 519775

Date of grant: 05/03/2024

The patent is granted for development of advanced nano-composite material for switchgear contacts. Contact material is the heart of all switchgear products like MCB, MCCB, limit switches, contactors switches etc. The primary purpose of an electrical connection is to allow the uninterrupted passage of electrical current across the contact interface. The contact material needs to have specific properties to withstand different stresses during making and breaking of contact in a switchgear. There has always been a demand for contacts with increased arc erosion and anti-welding properties. Hence, there is a constant need of contact materials with very good electrical conductivity, better thermal properties such as higher thermal conductivity, high melting point as well as enhanced temperature resistance/thermal stability.

As per the above mentioned need, ERDA has developed a silver based composite contact material using carbon nanotubes (CNT). The

Silver – CNT nanocomposite contacts were prepared and evaluated for the properties like hardness, electrical conductivity and density. It has been found that hardness and conductivity of Ag-CNT contacts are higher than that of conventional contact materials.

ii) Automatic solar panel cleaning system

Indian Patent Number: 504963

Date of grant: 30/01/2024

The patent is granted for solar panel cleaning system. The developed solar panel cleaning system is automatic and offers simple and efficient cleaning system for solar panel application. This system is a retrofit solution and can be designed for installed solar panels in a row and requires minimal maintenance. The developed technology is available for commercialization to prospective buyers.

iii) Voltage tester device/system for safety application in electrical panel and method thereof

International Patent Publication number: WIPO WO 2024/023828 A1,

Date of Publish: 01/02/2024

This invention provides a voltage tester system/device for safety application in AC & DC electrical systems and method thereof. The system/device consists of voltage presence indicator (VPI) circuit and absence of voltage tester (AVT) circuit. The developed technology not only indicates the presence of hazardous voltage in an electrical system but also positively confirms the absence of hazardous voltage in the electrical system.

The VPI circuit converts electrical energy potential between the lines in range of 3 to 3394 volts (phase to neutral) into electrical inputs that drives VPI-LEDs to produce light output and provides continuous visual indication for presence of voltage for every line combination in three-phase power lines during maintenance period.

The AVT circuit helps in checking circuit wires intactness with their respective busbars and verify absence of hazardous voltage by providing positive indication with a GREEN-light when safe voltage level is attained at connected leads and voltage is less than preset threshold value. The developed technology also checks the intactness of the different wires of the circuit with the busbar and also displays the status of individual wire

of the circuit which got disconnected from the busbar - individual line wires (L1, L2, L3) or ground (GND) or neutral (N). The developed technology can be used for AC (single phase / three phase) circuit as well as for DC circuits.

2.2 Expert Services

2.2.1 Root Cause Analysis of 132 kV Failed Cable

Root cause analysis (RCA) was conducted on 132 kV single core, XLPE insulated, aluminium sheath cable failed after a service life of 14 years, shown in Figure 2.2.1(a).



Figure 2.2.1(a): Failed 132 kV cable

The XLPE insulation was observed punctured during routine operation. The cable materials were tested for their quality and checked for indications of degradation. XLPE insulation and semi-conducting materials were analysed using Broadband Dielectric Spectroscopy (BDS) for dielectric properties of insulation and temperature dependent resistivity of the semi-conducting layer. The BDS analysis did not indicate any sign of abnormality or degradation.

Microscopic analysis of XLPE also showed no indications of water tree growth and the XLPE interface with semi-conducting layer was found in good condition. After dissecting the cable for analysis, the metallic sheath showed indications of overheating. The semi-conducting layer on XLPE insulation showed small patches of white/brown colour which indicated localised overheating of the semi-conducting layer.

The patches were observed where the corrugated metal sheath was in contact with the semi-conducting layer through the water swellable tape. This indicated that the metallic sheath was overheated. The heating of the metallic sheath could be the result of circulating current. The cable was mid-point grounded with either end connected through Sheath Voltage Limiter (SVL). Therefore possibility of circulating current was minimum but due to accidental grounding near the fault location a close circuit path was created

leading to overheating of the metallic sheath. ERDA recommended suitable measures to avoid such type of failures.

2.2.2 Root Cause Analysis of 220 kV Failed Silicone Rubber Insulator

Root cause analysis (RCA) was conducted on a failed 220 kV silicone rubber insulator (SRI) as shown in photograph in Figure 2.2.2(a).



Figure 2.2.2(a): Images of damaged sections of silicone rubber insulator

Several failures of SRI were noticed within one year of installation on 220 kV transmission line located in hilly area. For RCA analysis the failed insulator along with working insulators were received for analysis. Visual analysis of failed insulator showed silicone rubber sheath of SRI had cracks at several places on entire length of insulator. After removal of silicone rubber from the composite core rod, internal tracking was visible on the composite rod (below silicone rubber sheath) indicating flash-over. Arcing marks were visible on the corona ring and on tri-junction of failed SRI. Failed as well as SRI removed from line showed algae covered on the front side of the silicone rubber shades while back side showed black spots.

The algae on the silicone surface can degrade the hydrophobic properties of silicone rubber thereby increasing possibility of leakage current and reduced arcing distance. Some black spots were observed on the silicone rubber shades of the insulator. Optical microscopy of the black spots showed electrical tree like network and EDS analysis of the black spots indicated presence of Nitrogen. Both of these tests indicated that the black spots were resulted from electrical discharges.

Physical and chemical test on the SIR showed minor difference between SRI from store and removed from line. SRI removed from line and the store SRI evaluated using stripe test indicated weak adhesion between the silicone rubber and composite core rod. Analysis of the insulator indicated weak adhesion between silicone rubber sheath and composite rod resulted in flashunder and failure of insulator. ERDA suggested suitable measures to prevent such failures.

2.3 Papers Presented/Published

Sr No.	Title	Author(S)	Conference/Seminar/Journal	Organized by	Date of conference
1	Silicone Rubber Insulators: Studies of Failure Mechanisms and Ageing	Dr. Nitin Shingne, Dr. Uday Puntambekar, Dr. Satish Chetwani	11 th International Conference on Electrical and Electronics Insulating Materials & Systems (INSULEC 2024)	IEEMA	01 – 02 February 2024
2	Evolution of Evaluation Technique Solid Insulating Materials for Electrical Purposes	Ms. Sneha Sheth, Dr. Uday Puntambekar	11 th International Conference on Electrical and Electronics Insulating Materials & Systems (INSULEC 2024)	IEEMA	01 – 02 February 2024
3	Epoxy Nanocomposite with Enhanced Voltage Endurance Property for Electrical Insulation	Dr. Nitin Shingne, Mr. Anil Khopkar	5 th International Conference on Instrument Transformer (TechIT 2024)	IEEMA	06 – 07 February 2024
4	Partial Discharge measurement on Three Phase Voltage Transformer and CTPT metering unit	Mr. Shailesh B Patel, Mr. Umesh N Soni	5 th International Conference on Instrument Transformer (TechIT 2024)	IEEMA	06 – 07 February 2024
5	Online Partial discharge detection- An Advance tool to determine health of Instrument Transformer	Mr. Umesh Soni, Mr. Shailesh Patel, Mr. Anil Khopkar	5 th International Conference on Instrument Transformer (TechIT 2024)	IEEMA	06 – 07 February 2024
6	Assessment of Best Possible Scenario for Electrical Power Generation through Back Pressure Steam Turbine – Case Study	Mr. Kuldeep Ruparelia, Mr. Arunesh Dwivedi	8 th International R&D Conference on on Global Trends in Water Resources, Power & RE Sectors	CBIP & IIT Roorkee	08 - 09 February 2024
7	Design and Simulation of Relay for detection of Un-authorized short connection between feeders	Mr. Prajwal A. Desai (MSU), Mr. Kuldeep Ruparelia, Mr. Hiren M. Patel	8 th International R&D Conference on on Global Trends in Water Resources, Power & RE Sectors	CBIP & IIT Roorkee	08 – 09 February 2024

Sr No.	Title	Author(S)	Conference/ Seminar/ Journal	Organized by	Date of conference
8	Comparative Analysis of Various Condition Monitoring Techniques for Metal Oxide Surge Arresters	Mr. Anil S. Khopkar, Dr.Kartik Pandya (Charusat) & Mr. Manish Pandya (PU)	8 th International R&D Conference on on Global Trends in Water Resources, Power & RE Sectors	CBIP & IIT Roorkee	08 – 09 February 2024
9	Impact of Frequency Deviation on Grid Stability and Enhancement of System Stability by Synthetic Inertia	Ms. Rutu Khopkar (MSU), Mr. Shailesh Modi, Ms. Anuradha Deshpande (MSU)	8 th International R&D Conference on on Global Trends in Water Resources, Power & RE Sectors	CBIP & IIT Roorkee	08 – 09 February 2024
10	Technical Loss Reduction Techniques of 11 kV Distribution Feeder – Case Study	Mr. Krunal Darji, Mr. Shailesh Modi, Mr. Anil Aswani	8 th International R&D Conference on on Global Trends in Water Resources, Power & RE Sectors	CBIP & IIT Roorkee	08 – 09 February 2024
11	Optimal Solution to increase the power transfer capacity of transmission system – Case Study	Mr. Shailesh Modi, Mr. Krunal Darji, Mr. Anil Aswani	8 th International R&D Conference on on Global Trends in Water Resources, Power & RE Sectors	CBIP & IIT Roorkee	08 – 09 February 2024
12	Switching Study to Analyze Causes of Failure of Neutral Grounding Reactor	Mr. Shailesh Modi, Mr. Krunal Darji, Mr. Anil Aswani	8 th International R&D Conference on on Global Trends in Water Resources, Power & RE Sectors	CBIP & IIT Roorkee	08 – 09 February 2024
13	Arc Flash Analysis Case Study	Mr. Shailesh Modi, Mr. Krunal Darji, Mr. Anil Aswani	8 th International R&D Conference on on Global Trends in Water Resources, Power & RE Sectors	CBIP & IIT Roorkee	08 – 09 February 2024

3.0 Major Business Contracts

i) ERDA has received a prestigious work order for Third Party Inspection as DQMA (DISCOM Quality Monitoring Agency) from three distribution companies of Northern India, for site inspection for quality and quantity of different works under Business Plan, Additional Business Plan, System Augmentation/Strengthening work in different District, System Strengthening work in Nagar Nikay/Nagar Nigam, Deposit etc. scheme in Financial Year 2023-24 & 2024-25 for Electrical

work executed in different districts.

The role of ERDA will be to identify the quality of workmanship and material erected at site. The experienced team of ERDA will do the inspection of work at site and identify the critical, major and minor deficiencies on the executed work and quality of material used at site.

ii) Another order for Third Party Inspection of Raw Material has been received from a Distribution Company in Southern India.

iii) An order has been received from a Leading Automobile Company for the work of Energy Audit in the state of Gujarat.

4.0 Letters of Appreciation

Positive feedback and letters of appreciation inspire us to continue striving for customer satisfaction. Here is the excerpt from the appreciation letter received during the quarter.

4.1 Genus Power Infrastructures Ltd, Jaipur

"...On behalf of the entire team of Genus, I would like to extend our heartfelt appreciation for your exceptional cooperation, responsiveness, and support during the FY. of 2023-24..."

5.0 Customer Outreach Programs – "Sampark"

5.1 "Sampark" at Bhopal

On January 25th, 2024, a Customer Outreach Program "Sampark" was organized at Bhopal under the theme "Enhancing Reliability of Electrical System." More than 70 participants from member companies and customers from nearby area attended the event.



Team ERDA with customers at "Sampark" – Bhopal

5.2 "Sampark" at Chennai

Customer Outreach Program – "Sampark" was organised at Chennai on 23rd Feb, 2024 under the theme "Creating Connections for Energy Transition through New Generation tools of Energy and Asset Management".

About 55 participants from member companies and customers from nearby areas attended the event.



Team ERDA with customers at "Sampark" - Chennai

5.3 "Sampark" at Guwahati

Customer Outreach Program – "Sampark" was organised at Guwahati on 20th March 2024 under the theme "Connect Northeast". More than 20 participants from member companies and customers from nearby area attended the event.



Team ERDA with participants at "Sampark" – Guwahati

The customer outreach program was aimed at fruitful interaction and knowledge sharing activities with our valuable customers and obtaining their insightful input regarding their future requirements.

6.0 Exhibitions & Conferences

6.1 Participation in DistribuELEC- 16 to 18 Jan 2024

ERDA participated at DistribuELEC 2024 showcasing portfolio of services in three verticals i.e. Testing and Evaluation, Field Services, R&D and Expert Services.

Our major focused areas for showcasing were LV Switchgear, Solar Cable & PV Module Testing, Instrument Transformers Testing & Field Services like TPI, TPIA and Due Diligence of Solar Power Plants.

More than 100 customers visited during 3 days of exhibition.



Visit of Foreign Delegates to ERDA stall at DistribuELEC 2024

Visitors included officers from Distribution utilities like NPCIL, Nepal Hydro Electric Ltd., CPWD, UGVCL, MPPKVCL, TATA, BEST, MPPKVVCL, MSEDCL & many more.

Visitors discussed about ERDA's new testing facilities for Solar PV Module and services for solar plants, Batteries testing and Photometry.



Visitor interaction at DistribuELEC

6.2 Participation in Intersolar India 21 to 23 Feb 2024

ERDA participated in Intersolar India 2024 held on 21 to 23 February, showcasing portfolio of services in three verticals i.e. Testing and Evaluation, Field Services, R&D and Expert Services.



Interaction with visitors at Intersolar India

Our major focused areas showcased were Solar Cable & PV Module Testing, Due Diligence of Installed Solar Plants, R&D services, Renewable Energy Integration studies, Power Quality measurements and DC Switchgear Test Facilities. More than 100 customers visited during 3 days of exhibition.

Representatives from Solar PV Module Manufacturers & Renewable Energy Industries like Adani Solar, Reliance Industries Limited, Navitas Solar, Solex Energy Limited, Pahal Solar, Waree Energies Limited, Gautam Solar Pvt Pvt. Ltd., Goldi Solar Private Limited, Aditya Birla Renewables, Torrent Power (Renewables), AM Green Energy Pvt. Ltd., Rayzon Solar and many more visited the stall and interacted for their requirements.

6.3 Participation in International Engineering Sourcing Show (IESS) - 4 to 6 March 2024



Visitors at ERDA stall at IESS

ERDA participated in the International Engineering Sourcing Show (IESS - XI) Organized by EEPC India. It was organised at the Technology Pavilion - Codissia Trade Fair Complex, Coimbatore on 4th to 6th March 2024.

7.0 HR Initiatives

7.1 Learning and Development

ERDA believes that continuous improvement comes through constant learning and by sharpening knowledge, skills and competencies of the most important asset - the employees

Training on 'Productivity Enhancement':
As FY 2023-24 was the 50th glorious year of ERDA, it was decided to arrange Outbound Training. Outbound training program is one of the most effective methods of enhancing individual and team performance and behaviour through experiential learning. This will make the individuals help in coming out of their comfort zone and start challenging their goals for their own as well as organizational growth.

The topic of the training was 'Productivity Enhancement'. The outbound training was organized in pleasant weather of December 2023 to February 2024 in a resort about 35 km from Vadodara.



Employees engaged in training session

8.0 ERDA Celebrations

8.1 Republic Day

The Republic Day was celebrated in ERDA on 26-Jan-2024 which included flag hoisting, Employees' Children Merit Award distribution to the eligible children of ERDA Employees and awards to the winners of the Sports Tournament (Carom & Table Tennis).

Like last year, ERDA called the employee irrespective of their level in ERDA who are going to retire from ERDA services in next few months. Out of such employees, ERDA invited Dr. Uday Puntambekar – Deputy Director in Testing & Evaluation division to do the onus of hoisting the National Flag. Dr. Uday Puntambekar is going to retire from ERDA in January 2025.



Dr. Uday Puntambekar – Deputy Director hoisting the National Flag

Later in the function Dr. Uday Puntambekar and other HODs addressed the audience on the occasion. The HODs address was followed by distribution of the Children Merit Award, Staff Sports tournament and Security certificates by the Director and HODs. Finally Director addressed the employees on the occasion. The event was concluded by the snacks take away.



Director presenting ERDA School Merit Award to the eligible children of ERDA Employees on Republic Day



ERDA Employees at Republic Day Celebration

8.2 International Women's Day Celebration

ERDA celebrated International Women's Day 2024 with lot of enthusiasm on 09-Mar-2024 since 08-Mar-2023 was holiday on account of Mahashivratri.

ERDA invited Dr. Vibha Naik – The First Woman Oncologist and Haematologist of Gujarat. Dr. Naik delivered a talk on 'Cancer Disease Related to Women' in Chemburkar Hall. The session was followed by the Cake Cutting ceremony and High Tea.



Dr. Vibha Naik addressing ERDA Women Employees



Cake Cutting Ceremony by ERDA Women Employees

ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION

(Accrediated by the National Accrediation Board for Testing and Calibration Laboratotries Govt. of India)

ERDA Road, GIDC, Makarpura, Vadodara - 390 010



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