

# CALENDAR OF TRAINING PROGRAMMES

**2021 – 2022**



**REC INSTITUTE OF POWER MANAGEMENT & TRAINING  
(Formerly Central Institute for Rural Electrification)**

of

**R E C Limited**

***(Formerly Rural Electrification Corporation Limited)***

***(A Government of India Enterprise)***

## About REC

REC came into being in 1969 to articulate a response to the pressing exigencies of the nation. During the time of severe drought, the leaders sought to reduce the dependency of agriculture on monsoons by energizing agricultural pump-sets for optimized irrigation. Thereafter, we have ventured into newer paths and expanded our horizons to emerge today, as a leader in providing financial assistance to the power sector in all segments, be it Generation, Transmission or Distribution.

We are a Navratna company under the Ministry of Power. We fund our business with market borrowings of various maturities, including bonds and term loans apart from foreign borrowings, on our own. Domestically, we hold the highest credit ratings from CRISIL, ICRA, IRRPL and CARE and internationally we are rated at par with the sovereign ratings. Under the discerning leadership of highly qualified and experienced professionals, which has effectively harnessed the individual talents of all our employees, we have maintained consistent profit margins and paid dividends each year since fiscal 1998. We have thus propelled ourselves to a net worth of over ₹43,000 crore.

Our humble beginnings spearheaded our strides into the corporate world and to this day our commitment towards nation-building constitutes our core value. As a natural corollary, we have been appointed as the nodal agency by the Government of India for implementation of Saubhagya and DDUGJY, the schemes which aim at providing 24x7 sustainable and affordable powers to all households in the country. We have also been entrusted with the responsibility of being the coordinating agency for rolling out UDAY which seeks to operationally reform and financially turnaround the power distribution companies of the country. Our subsidiary RECPDCL works in tandem with us to realise our shared mission by providing consultancy services in Distribution and Transmission sectors.

We take due cognizance of the fact that we owe our stupendous success to our customers, the unflinching commitment of our employees and our countrywide presence through 22 state offices which ensures easy accessibility. Having bolstered our share in the country's total power capacity, we are poised to help build a sound infrastructure to provide affordable, accessible and sustainable power.

## About RECIPMT

REC Institute of Power Management and Training (RECIPMT) established under the aegis of REC Ltd a CPSE under Government of India is a premier Power Sector Training Institute, Recognised by Central Electricity Authority (CEA). RECIPMT is dedicatedly working for human resource development of power sector for more than last four decades. During the last four decades, RECIPMT has organized training programmes and workshops on Technical, Management, Finance & Accounts, HR, Information Technology and Energy Conservations relating to Power Generation, Transmission, Distribution and Renewable Sector.

### VISION

**To reach, educate, inspire, nurture, enlighten and energize power engineers/managers and strive for quality improvement in human resources for achieving higher productivity.**

RECIPMT is the nodal agency for coordination and implementation of the National Training Programmes for C&D Employees across the country, under Deen Dayal Upadhyay Gram Jyothi Yojana (DDUGJY) of Ministry of Power, GoI. Till 31st March 2021, RECIPMT organised training for **2,75,076** C&D categories of employees of various power utilities. RECIPMT has also organised 41016 no of training of power distribution franchisees during the 11th plan.

### MISSION

**To build an institution of global excellence for human resources development of power sector to share its experience, expertise, and enlighten the managerial personnel of power utilities.**

RECIPMT is also organising training programmes for the Executives of International Power Sector Organisations. So far, trained 1683 executives from 98 countries by organising 102 batches of training to International Power Sector Executives. The duration of trainings varies from 4-12 weeks. Upto March 2021, the Institute has organized **2573** training programmes and **56,113** Engineers/Managers from various Power Utilities, like Generation, Transmission & Distribution Companies, Electricity Departments,

Rural Electric Cooperatives, Regulatory Commissions, Rural Development Agencies, Banks, CPUs, etc., participated in the programmes.

# CALENDAR OF TRAINING PROGRAMS - 2021-2022

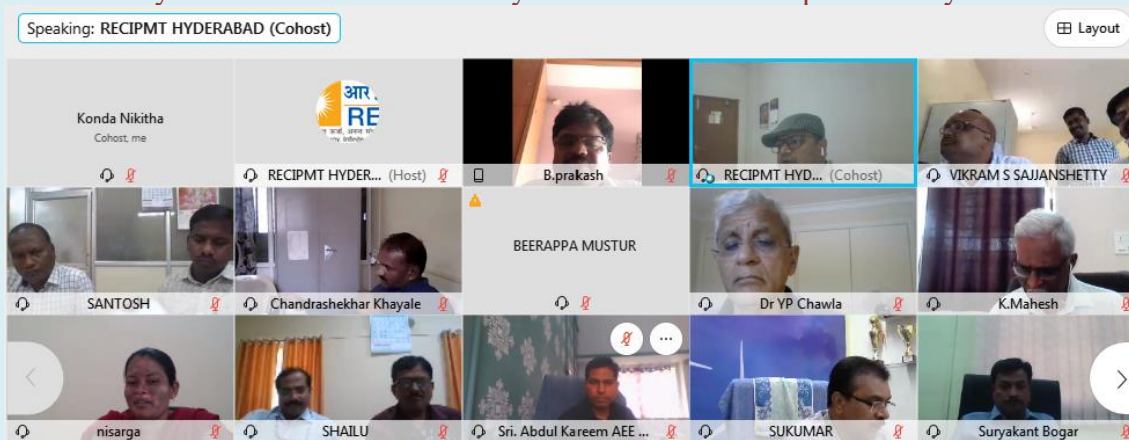
## 1. NATIONAL TRAINING PROGRAMMES FOR POWER EXECUTIVES

National Regular Training Programmes are organized by RECIPMT for executives working in national power sector utilities on state of art topics and also area of interest of power utilities. These Training programmes are organized on both technical and non-technical topics covering advance areas related to power sector such as, Power Generation, Transmission, Distribution, Renewable sources, Finance, Management, HR and other important topics related to power sector. Considering the COVID-19 pandemic scenario, in addition to in campus classroom training programmes, RECIPMT has introduced some more online Webinars.

### 1.1. On Line Webinars for National Power Sector Executives

Sl. No	Name of the Programmes	Contents	Dates/ No. of Days
1	<b>SOLAR POWER GENERATION – GRID ENABLING AND BALANCING</b>	Solar Power Generation Technologies - Standalone and Grid connected systems - Rooftop PV and MW size PV systems - Erection, Testing and Commissioning - O&M aspects of solar PV systems - issues in grid enabling and grid balancing	17-18 Aug 2021/ 2 days
2	<b>DISTRIBUTION TRANSFORMERS – O &amp; M FOR FAILURE MINIMIZATION</b>	Erection, Testing and Commissioning of Distribution Transformers, Transformer Oil Characteristics, Filtration and Reclamation Techniques, Maintenance and Protection of Distribution Transformers and Failure Analysis	24-25 Aug 2021/ 2 days
3	<b>OPEN ACCESS &amp; POWER TRADING</b>	Open Access - Power Trading in multi-buyer and multi-seller environment; Availability Based tariff – Balancing & Settlement Mechanism; Power Trading Rules; Role of Regulatory Commissions - Open Access challenges for Power Market	26-27 Aug 2021/ 2 days
4	<b>DISTRIBUTION LOSS REDUCTION AND PILFERAGE OF ELECTRICITY</b>	Energy Audit - Distribution Losses - Analysis of Aggregate Technical and Commercial (ATC) losses - Methods of Detection of Pilferage of Electricity and Malpractices adopted, Remedial measures - Assessment and Penal Provisions	02-03 Sep 2021/ 2 days
5	<b>IMPLEMENTATION OF GOODS AND SERVICES TAX (GST)</b>	Levy of GST, Composition scheme and Exemptions; Time and Place of supply of goods and services; Valuation and input tax credit; Maintenance of records and books and Advance Ruling	21-22 Sep 2021/ 2 days

### One Day Webinar on “Sustainability of Power Utilities” Sponsored by REC Ltd.





6	<b>POWER PURCHASE AGREEMENT</b>	Undertaking and obligations of the developer and Power Utility; Acceptance test procedure; Sale and purchase of energy; Tariffs, Force majeure, Buy-out clause, Dispute Settlement Mechanism, Arbitration & Reconciliation;	<b>23-24 Sep 2021/ 2 days</b>
7	<b>O &amp; M OF EHV SUB-STATION &amp; LINES</b>	EHV Equipment Erection, Operation and Maintenance, Condition Monitoring of EHV equipment, Maintenance of Transmission Lines, Emergency Restoration System; Hot Line Maintenance	<b>28-29 Sep 2021/ 2 days</b>
8	<b>UNDERGROUND CABLES – SELECTION, LAYING, MONITORING &amp; FAULT DETECTION</b>	Selection, Types and Design of Underground including Standards of Cables - Primary & Detailed Survey, Laying of Cable, Jointing, Testing and Commissioning - Fault Location of Cables - Maintenance & Trouble Shooting & Earthing of Underground Cables	<b>05-06 Oct 2021/ 2 days</b>
9	<b>DESIGN, CONSTRUCTION OF EHV SUBSTATIONS &amp; LINES</b>	Design of EHV Sub-station - Bus-Bar Arrangement - Foundation Laying & Erection of Sub-Station Structures - Erection of Power Transformer and Switchgears including Testing & Commissioning – Earthing of EHV Sub-Station – Protection Systems	<b>21-22 Oct 2021/ 2 days</b>
10	<b>SMART METERING TECHNOLOGIES &amp; APPLICATIONS</b>	Smart metering practices in power distribution utilities, Regulations & Standards, Installation methods, Reduction of losses, Energy Management, need and benefits, renewable era and need of smart meters	<b>11-12 Nov 2021/ 2 days</b>
11	<b>POWER TRANSFORMER – OPERATION &amp; MAINTENANCE</b>	Insulation resistance measurement, winding resistance measurement, magnetic current test, magnetic balance test, vector group confirmation short circuit test and differential stability, ref stability test, etc., Conditions leading to faults, protective relays, differential protection, overcurrent protection, ground fault protection, monitors for protection.	<b>16-17 Nov 2021/ 2 days</b>
12	<b>LABOUR LAWS - PROCEDURES IN DEALING WITH COURT CASES</b>	Basic Concepts & Sources of Law - Jurisdiction of Courts - Alternate Dispute Mechanism - Labour Laws - ESI, EPF and Contract Labour Act, Employees' Compensation Act – Procedure in dealing the Court Cases	<b>25-26 Nov 2021/ 2 days</b>
13	<b>POWER FACTOR IMPROVEMENT AND REACTIVE POWER MANAGEMENT</b>	Types & Effect of Reactive Power - Erection, O&M and fault analysis of Shunt Capacitor and Series Capacitors - 11 KV and LT Switched Capacitors - Capacitors Bank Formation, Neutral Grounding - Erection, commissioning, O&M, Protection of Reactors - Case studies of Capacitor failures	<b>02-03 Dec 2021/ 2 days</b>
14	<b>PROTECTION SYSTEM IN EHV SUB-STATIONS &amp; LINES</b>	Code of Practice – Design, Selection, & Installation of Instrument Transformers - Protection aspects of EHV sub-stations - Transmission line protections, Transformer and Reactive Protection – Distance protection schemes for long and short lines.	<b>07-08 Dec 2021/ 2 days</b>
15	<b>OPERATION, MAINTENANCE &amp; PROTECTION ASPECTS OF DISTRIBUTION SUB-STATIONS AND LINES</b>	O & M of Switching Equipment, Protection Equipment, Control Equipment and Transformers - O&M of Distribution Substation and Lines, Code of Practice in Operations, Work permits, line clear procedure, Maintenance of log books, Records, etc.	<b>21-22 Dec 2021/ 2 days</b>

**The above Webinars will be repeated based on the response of the Program.**

## 1.2. Classroom Training Programmes for National Power Sector Executives

S. No.	Name of the Programme	Contents	Dates/ No. of Days
1	<b>DISTRIBUTION LOSSES MINIMISATION AND SMART METERING AND ADVANCE PRACTICES</b>	Distribution Losses, Methods of Detection of Pilferage and Malpractices, Analysis of commercial and technical losses, Measures for arresting pilferage of electricity, Administrative, legal and technical measures for minimization of theft of electricity, Assessment and Penal Provisions - Electricity Act Provisions, Vigilance Operations & Case studies.	<b>14-17 Dec 2021/ 4 days</b>
2	<b>POWER TRANSFORMER – TESTING, COMMISSIONING, PROTECTION &amp; MAINTENANCE</b>	Insulation resistance measurement, winding resistance measurement, magnetic current test, magnetic balance test, vector group confirmation, short circuit test and differential stability, ref stability test, etc., Conditions leading to faults, protective relays, differential protection, overcurrent protection, ground fault protection, monitors for protection.	<b>18-21 Jan 2022/ 4 days</b>
3	<b>DESIGN, SPECIFICATIONS, CONSTRUCTION &amp; COMMISSIONING OF DISTRIBUTION SUB-STATION AND LINES</b>	Design of Sub-Station, Technical Specifications, Construction Standards, Testing & Commissioning of Sub-station (Indoor & Out door) – Sub-Station Equipment - Earthing practices in a substation - Protection in a Sub-station – Battery and Battery Chargers	<b>08-11 Feb 2022/ 4 days</b>
4	<b>DESIGN, CONSTRUCTION, TESTING, PROTECTION &amp; COMMISSIONING OF EHV SUBSTATIONS &amp; LINES</b>	Design of EHV Sub-station - Bus-Bar Arrangement - Foundation Laying & Erection of Sub-Station Structures - Erection of Power Transformer and Switchgears including Testing & Commissioning – Earthing of EHV Sub-Station – Protection Systems – Sub-Station Automation	<b>21-24 Feb 2022/ 4 days</b>
5	<b>PROTECTION SYSTEM IN EHV SUB-STATIONS &amp; LINES</b>	Fundamentals of protection and Code of Practice – Design, Selection, & Installation of Instrument Transformers - Protection aspects of EHV sub-stations - Transmission line protections, Transformer and Reactive Protection – AC/DC logics - Distance protection schemes for long and short lines	<b>08-11 Mar 2022/ 4 days</b>

The above Programs will be repeated based on the response of the Program.

### International Training Program Batch – January 2020



## 2. IN-HOUSE TRAINING PROGRAMMES FOR REC EMPLOYEES

RECIPMT proposes to organize following training programmes for the Executives of REC Ltd. as **Classroom Programs** or as **online Webinars**.

S. No	Name of the Programme	Brief Contents	Dates/ No. of Days
1	<b>Managing Change in Power Sector (Webinar)</b>	Managing Change in Power Sector – Issues & Challenges, New Initiatives of Government of India- DDUGJY, Saubhagya, 24x7 Electricity, etc. - Transformational Leadership -Building Effective Teams - Managerial Communication Building Effective Interpersonal Relations- How to manage Conflicts - Approaches to Conflict Resolution	<b>8 – 9 Sep 2021/ 2 days</b>
2	<b>Smart Metering Technologies &amp; Applications (Webinar)</b>	Smart metering practices in power distribution utilities, Regulations & Standards, Installation methods, Reduction of losses, Energy Management, need and benefits, renewable era and need of smart meters	<b>25–26 Oct 2021 /2 days</b>
3	<b>Purchase Procedures and e-procurement through GeM (Webinar)</b>	Purchasing system – Purchase Procedures – Tender Document Development - Vendor Rating and Vendor development – Contract Management and Managing Risk – e-procurement – GEM Portal – Hands on Experience on GEM portal & Tender Wizard	<b>9 – 10 Dec 2021/ 2 days</b>
4	<b>Loan Documentation</b>	Sanction Letter; Loan documentation – Alternate securities, Loan agreement/ Bulk hypothecation deed/Tripartite Escrow Agreement/Bulk Guarantee deed/ Board resolutions and checklist for documentation; Procedure for hypothecation of assets – Types of mortgage, Procedure for valuation of assets; Due diligence verification of Escrow cover; Filing of charge/creation of charges with ROC, etc.	<b>16 -18 Nov 2021/ 3 days</b>
5	<b>Concept to Commissioning of Solar Power Plant</b>	Renewable Policies & solar Missions, Opportunities and challenges, RECs, Renewable grid parity and integration Basics of Solar PV Technology (different configuration like Grid connected Rooftop) Module, Inverter & Structure standards & Selection Design with PV syst, Testing & Commissioning Quality control, O&M	<b>5 – 7 Jan 2022/ 3 days</b>
6	<b>Leadership and Communication Skills</b>	Role of Leader, Understanding of Team, Leadership styles and methods, Effective Leader and their attributes; Performance Management, Setting Objectives; Relationship Management; Self-Appraisal; Creating enthusiasm and motivation – Presentation Skills – Role Play – Group discussions, etc.	<b>16 - 18 Feb 2022/ 3 days</b>

**The above Programs will be conducted through Webinar or Classroom as per the requirement and will be repeated based on the response of the Program.**

### Inhouse Training Program Batch – February 2021



### 3. TRAINING PROGRAMMES SPONSORED BY REC LTD. FOR POWER SECTOR EXECUTIVES

Every year, RECIPTM organizes training programmes sponsored by REC Ltd on different aspects related to power sector. The programmes are aimed towards capacity building of executives of power sector and for business development of REC Ltd. This year following three (3) training programmes are proposed to be organized – 2 programs as Webinars and 1 program as Classroom Session at utility or at RECIPTM premises which will be sponsorship of REC Ltd.

#### 3.1 SUSTAINABILITY OF POWER UTILITIES – ONE DAY WEBINAR (for Senior and Middle Executives)

S. No.	Name of the Programme	Brief Contents	No. of Days
1	<b>SUSTAINABILITY OF POWER UTILITIES</b>	Sustainability of Power Sector - Over view of Power Sector - Latest Policies such as <b>Electricity Act Amendments (Draft EA amendment of 2018, proposed amendment in 2020/21)</b> , New initiatives, such as Market Based Economic Dispatch ( <b>MBED</b> ), Reform Based Result linked Power Distribution Scheme, Tariff Reform, Renewable Integration & Adoption of New Technology - smart metering, e- vehicles and mobility, COVID Resilience, Digitalization & De-carbonization on business of power utilities and way forward for sustainable power sector in the time to come	1

#### 3.2 ELECTRICAL SAFETY PROGRAM FOR POWER UTILITIES (For Middle and Junior Executives)

Safety is of prime important for any sector and many power utilities are struggling to adopt best safety practices at work places. RECIPTM proposes to organize training programmes on “**ELECTRICAL SAFETY PRACTICES**” for technical and non-technical executives of Indian Power Sector Utilities. These training programmes are proposed to be sponsored by REC Ltd. and organized at utility premises or at Institute premises (RECIPTM, Hyderabad) under mutual requirement basis. Preference will be given to leading clients of REC Ltd. for allocation of training programmes.

S. No	Name of the Program	Brief Contents	No. of Days
1	<b>ELECTRICAL SAFETY PRACTICES</b>	Safe working practices in Power Sector, CEA Safety Regulations 2010 and its Amendments - <b>Safety Code</b> for erection, operation & maintenance of Electrical Installations - Causes and Prevention of Accidents - Safety Tools - Electrical Safety Practices, line clearances and permits - Importance of Earthing - Step Potential, Ground Potential raise, Touch Potential, Transfer Potential – Methods of measuring & reducing Earth Resistance, Fire Safety - Prevention of Fire in Electrical Substations - Safety Audit - First Aid Practices in cases of Electrical Accidents - CPR - Artificial Respiration, etc. – Case Studies	3



### 3.3 TECHNO-COMMERCIAL IMPROVEMENT OF DISCOM'S PERFORMANCE (For Middle and Junior Executives) – TWO DAY WEBINARS

The performance of Power Distribution Utilities depends on various factors, in order to overcome their Financial and Technical difficulties, Government of India initiated distribution reforms and introduced various schemes, which are linked with various performance parameters. Further, DISCOMs are being rated in the country based on various financial and technical indicators. In order to create awareness and to perform in financial and technical parameters. RECIPMT proposes to conduct **2-day webinars** on “Techno-Commercial Improvement of DISCOM's Performance” across the country for various power distribution utilities as a part of Capacity Building of Power Sector Executives/ Engineers and REC Business Development Effort during this year under the sponsorship of REC Ltd. Preference will be given to leading clients of REC Ltd. during allocation of programmes.

S. No	Name of the Programme	Brief Contents	No. of Days
1	<b>TECHNO-COMMERCIAL IMPROVEMENT OF DISCOM'S PERFORMANCE</b>	Aggregate Technical and Commercial (AT&C) Losses – Loss Reduction Techniques – Average Cost of Supply (ACS) vs Average Revenue Realization (ARR), Energy Accounting & Audit, Metering at all Levels – Smart Metering - Reliability of the System, Billing & Collection Efficiency, Analysis of Financial Statement for ARR filing, etc.	2

Safety Programs at Vijayawada for APCPDCL & at Hubballi for HESCOM Engineers Sponsored by REC Ltd.



Safety Programs at RECIPMT Campus for TSGENCO Sponsored by REC Ltd.





#### 4. NATIONAL TRAINING PROGRAMMES FOR C&D CATEGORY OF EMPLOYEES (SPONSORED BY MINISTRY OF POWER, GOI UNDER DDUGJY)

S. No.	Name of the Programme	Brief Contents	No. of Days
1	<b>Lineman Training Programme</b>	Basics of Electricity; Electricity Act 2003; Functions of Distribution Company – Duties & Responsibilities of Linemen; Service Connection, DDUGJY, IPDS; Types of Cables, Transformer Erection, Commissioning & Maintenance, Construction of Line; Line Inspection & Maintenance; Earthing; Metering, Billing & Collection, Power Factor Improvement, Field Visit to 33/11 KV Substation and Metering & Transformer Shed, Theft of Energy & Vigilance, Safety; Customer Relation Management	4 days
2	<b>Energy Metering and Billing (Variant-2)</b>	Power Sector Scenario in India; Electricity Act 2003, Basics of Electricity and AT&C Losses - Meters and their uses, Energy Metering, Billing & Collection, Consumer Indexing - Tariff Structure, Prevention of Theft of Energy Conservation of Energy - Customer Relation Management - Field visit to Meter Testing Laboratory.	2 days
3	<b>Energy Metering and Billing (Variant-3)</b>	Power Sector Scenario in India; Electricity Act 2003, Basics of Electricity and AT&C Losses - Meters and their uses, Energy Metering, Advanced Metering – Time – of – Day Metering, Meter Reading Instruments, Tele – Metering, Prepayment Meters, Spot Billing CEA Metering Code, Energy Accounting and Auditing; Billing & Collection, Consumer Indexing - Tariff Structure, Prevention of Theft of Energy Conservation of Energy- Field visit to Meter Testing Laboratory.	3 days
4	<b>Financial Management, Stores Accounting &amp; Office Administration</b>	Functions of Electricity Distribution Company- Electricity Act 2003, DDUGJY, IPDS, Procurement contracts & CVC Guidelines, Systems & Procedures for Works Execution, RTI Act, Motivation & Interpersonal Relations, Consumer Service and Care; Consumer Indexing, Energy Accounting and Auditing, Tariffs & Revenue Management, Stores Management, Financial accounting & budgetary control, Service Regulations – Staff welfare activities, Establishment & Staff Payment, etc.	3 days
5	<b>Safety, Accident Prevention and Disaster Management</b>	Basics of Electricity, Electricity parameters, provisions related to safety and Safety Measures, Accidents - Causes and Prevention of Accidents, – Demonstration of usage of safety equipment, Earthing Practices in Electrical Installations, Fire prevention & Firefighting equipment, First Aid Practices, Disaster Management - Field visit to 33/11 KV substation.	2 days
6	<b>IT Skills</b>	Introduction to Office Automation, Computer Operating system, Trouble shooting of Systems, Ms-Word, Hand on experience on MS-Word, Ms-Excel, Ms-Excel (Calculations, Formula), Hand on experience on MS-Excel, Internet & Email - Internet safety.	3 days
7	<b>Operation &amp; Maintenance of Distribution Transformers, Prevention of Failures &amp; Repairs</b>	Basics of Electricity, Transformers–Operating principles, various parts and their functions, Features & Types of Distribution transformers – Transformer Oil Characteristics: Filtration and reclamation techniques, Erection, testing and commissioning of distribution transformers, Earthing of distribution transformers, Distribution transformers specifications; protective devices and maintenance, Failure of Distribution transformers – causes and remedial measures; Field visits.	3 days

## 5. CUSTOMIZED PROGRAMMES FOR POWER UTILITIES

RECIPMT conducts Customized Training Programmes on the subjects, based on the interest of the power utilities. RECIPMT also designs programmes on the specific requirement of the power utilities by entering into MoUs and conducts the same either at RECIPMT premises or at the premises of the utilities. Further, RECIPMT also conducts Induction Training Programmes for newly recruited employees as part of MoU signing.

S. No.	Name of Technical Programme	Duration
1	Design & Construction of Distribution Substations & Lines	5 days
2	Technical Specifications, Construction Standards for Distribution Systems	5 days
3	Concept to Commissioning of Solar Power Projects	5 days
4	Technical Aspects for Non-Technical Executives	5 days
5	Testing, Commissioning & Construction of Distribution Sub-Station and Lines	4 days
6	Distribution Loss Reduction - Pilferage of Electricity – Issues, Challenges and Remedial Measures	4 days
7	O & M of Distribution Sub-Station & Lines	4 days
8	Earthing Practices and Safety Measures in Electrical Installations	4 days
9	Protection System in Distribution	3 days
10	Gas Insulated and Indoor Sub-stations	3 days
11	Operation, Maintenance and Protection Aspects of Distribution Transformers	3 days
12	Energy Audit & Technical Loss Reduction	3 days
13	Underground Cables – Design, Laying, Testing & Fault Detection	3 days
14	Latest Trends in Metering, Billing and Collection	3 days
15	Power Factor Improvement and Reactive Power Management	3 days
S. No.	Name of Non-Technical Programme	Duration
1	Ind AS (IFRS) Adoption in Power Sector	5 days
2	Finance for Non-Finance Executives	5 days
3	Best Practices in HR Management of Power Utilities	4 days
4	General Management & Leadership Skills	4 days
5	Open Access, Power Trading & ABT	3 days
6	Tariff Policy and Submission of ARR - Regulatory Compliance	3 days
7	Power Trading & Energy Exchange	3 days
8	Companies Act 2013 and Corporate Governance	3 days
9	Implementation of Goods and Services Tax (GST)	3 days
10	Power Purchase Agreement	3 days
11	Personality Development, Communication & Negotiation Skill	3 days
12	Motivation, Team Work & Stress Management	3 days

## LIFE AT RECIPMT

A beautiful and lush green campus of RECIPMT is spread over an area of around 14.3 acres fully equipped with facilities for meeting training needs of our valued Clients. It is located on the National Highway No.44, at Aramgarh X Roads, Shivarampally, Hyderabad which is about 16 Kms away from the new Rajiv Gandhi International Airport, Shamshabad.

**Landscape**



**Roof-Top Solar PV System**



## DEMONSTRATION FACILITIES

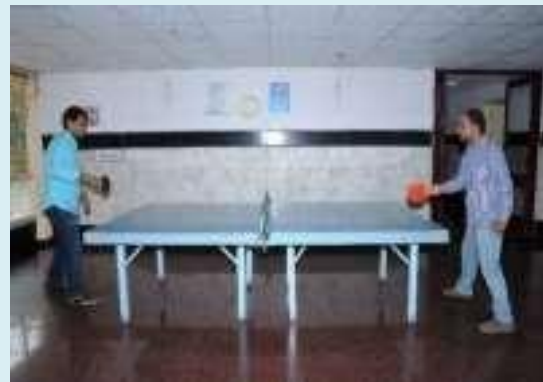
RECIPMT has developed an Energy Park equipped with 40kwp Rooftop Solar PV System, 1kwp Solar Street Lights, 5kwp Solar Water Pumping System and HVDS Resource Centre along with HVDS System for demonstration.

## RECREATION FACILITIES

Indoor games like Table Tennis, Chess and Caroms are available. Jogging Track of 1 km length, Badminton court and mini Gym are also available.



**Mini-Gym**



**Table Tennis**



## **CLASSROOMS**

State of the art class rooms with advanced training facilities are available. The Institute has latest teaching aids as well as full-fledged Computer lab and Wi-Fi facility. It also has an air-conditioned Conference Hall with a seating capacity of 70 members.



**Conference Hall**



**Classroom**



**Computer Lab**

## **LIBRARY**

RECIPMT Library is one of the specialized centers with about 5000 books and reference materials on the subjects like generation, transmission & distribution, energy efficiency and conservation, construction standards and specifications, management and information technology, electricity rules and laws, reforms and restructuring in power sector, etc. It subscribes to renowned journals on energy and power sector which caters to the information needs of the participants, in house faculty and guest faculties.



## **HOSTEL**

RECIPMT has got 36 air-conditioned rooms, 2 VIP Suites and air-conditioned dining hall. All the rooms are provided with solar hot water facility & Led TV. The Hostel is equipped with Wi-Fi facility.



**Dining Hall**



**Hostel Room**

## FACULTY MEMBERS – INTERNAL

S. No.	Name with Designation	Specialization
1	TSC Bosh, Executive Director	DDUGJY, Rural Electrification, Quality Assurance, Monitoring and Evaluation, Distribution Management
2	Santosh Kumar Sahu, Director	30 years of experience across Power Generation, Transmission & Distribution Sector, Financing and Disaster Management, Ex-CEO of Facor Power and Ex-Director (Fin) of OHPC & GEDCO
3	G. Shankar, Additional Director	22 years of experience in Power Distribution Sector which includes ICT Applications, Customer Management & Distribution Franchising
4	Dr. R. Mohd. Nafi, General Manager	22 years of experience in Power Sector & Rural Electrification
5	Aparup Paul, Faculty (DGM)	19 years of experience in the area of Production, O & M of Thermal Power Plants and Energy Conservation.
6	Sudhir S Chopade, Faculty (DGM)	19 years of experience in teaching and power plant training, Special interest includes Condition monitoring of HV equipment.
7	G S Bhati, Executive Director	DDUGJY, Rural Electrification, Quality Assurance, Distribution Management
8	VK Singh, Executive Director	Generation Projects – Financing and Appraisal
9	Fuzail Ahmed, Executive Director	Project Monitoring and Power Plant Familiarization; O&M of Transmission System; Construction and Quality Control Mechanism
10	RP Vaishnaw, Executive Director	Internal Auditing; Financing of Power Projects, Risk Management
11	JS Amitabh, Executive Director	Companies Act, 2013; CSR, Corporate Governance
12	Salil Kumar, Ch. General Manager	Vigilance for Organizational Excellence; Public/e-procurement; Preventive Vigilance
13	Taruna Gupta, Ch. General Manager	Investments, Merchant Banking, Resource Mobilization, Internal Audit, International Cooperation & Development, CSR
14	N. Venkatesan, Ch. General Manager	23 years of experience in Project Formulation, Appraisal & Monitoring of Power Projects
15	N.K. Maurya, Ch. General Manager	Financial Accounting, Auditing, Cost Accounting, Cost Auditing, Internal Audit, CERC-Tariff Fixation related topics
16	P.S. Hariharan, Ch. General Manager	Project Investigation and Appraisal - Project Financing - Generation projects
17	Saurabh Rastogi, Ch. General Manager	Financing of Renewable Energy Projects (Wind Solar/Biomass/Small Hydro)
18	S. Muralidharan, Ch. General Manager	Corporate Taxation, Asset Liability Management & Loan Recovery
19	R Anbalagan, Ch. General Manager	Entity Appraisal System for State and Private Sector Power Utilities - Critical Evaluation of Borrowers/Promoters
20	APS Manocha, Ch. General Manager	Project Financing, Loan Documentation and Litigations
21	D.B. Londhe, Sr General Manager	Hydroelectric Power Generation includes survey, investigation, construction, testing, commissioning, operation & maintenance
22	A. Veluchamy, Sr. General Manager	Project Financing, Project Appraisals, AT&C Loss Reduction, Infrastructure Project Management & Fixation of Tariff
23	Ch V Lakshmana Charyulu, General Manager	19 years of experience in project financing, appraisal, monitoring and financial analysis
24	Ramesh Kumar Betha Dy. Manager	Transformers, Switchyard, HT/LT Switchgear & Appraisal of T&D Schemes

## FACULTY MEMBERS – EXTERNAL

In addition to in house faculties, RECIPMT has empaneled subject experts from different areas of power sector all over India. The list below is indicative and is not extensive.

Name of Guest Faculty	Specialization
SK Deo	Thermal Power Generation
C Sriprakash	Operation & Maintenance of Thermal Power Plants
B. Jagadesh Prasad	Design of Hydro Power Plants
SV Ramana	Operation, Maintenance & Protection in Hydro Power Stations
KV Nageshwar Rao	R & M of Thermal Power Plants
K Venkata Rao	Operation of Thermal Power Plants and Trouble Shooting Aspects
RV Ramana Rao	CEA's safety regulations, Earthing Practices, Safety Management Systems
V Seetaram	Accident Prevention, work permit systems, Factories Act & Site Emergency Plans
M Gopala Rao	Power Transformer Operation and its Specification – Shunt Reactors
A Saiprasad Sarma	Availability based Tariff, Bus-bar arrangements and Reactive Power Compensation
S Ganesh Babu	Sub-Station Operation & Maintenance & Distribution Automation
G Mahesh Kumar	Power Transformers, Technical Loss Reduction & Power Factor Improvement
L Parthasarathi	Generation and Transmission Planning & Load Flow Studies
Dr. HS Kalsi	Circuit Breaker technologies & Erection and Testing
C Venkateswarulu	Protection System in Generation and Transmission
M Srinivasulu	Hot line Maintenance of Transmission Lines & Sub-Stations
P Gopalakrishna	Sub-station Automation and Protection of Transmission lines
G Satyanarayana	Design, Erection and Commissioning of Gas Power Stations
S C Satyanarayana	O&M Shunt Reactors and Serious Capacitors
Y Pandhari Pande	Power Transformer Protection and Motor & Generator Protection
P Suryaprakash	Transmission Tower Design and Testing
P Srinivasa Rao	EHV Underground cables
Dr. G Mohan Rao	Gas Insulated Sub-stations
N Vijay Kumar	EHT Lines - Survey, Erection, Testing and Commissioning
K Murali Krishna	Transmission Lines & Sub-Stations
V Balaji	Billing and Settlement Code of Open Access & ABT – Payment Mechanism
B Neelakantam	Transformer & Bus-Bar Protection & Fault Level Calculation
Ch Narasimha Murthy	Technical Specification, Construction Standards and Load Forecasting
V Sudhakar	Load Forecast Techniques & Distribution System Planning
L RadhaKrishna	Energy Accounting & Audit and GIS and GPS Application in Distribution
P Narender Kumar	SCADA, Protection Aspects, Technical Loss Reduction, Sub-station Equipment
E M Chakravarthy	Metering Technologies, Protection in Distribution & SCADA
S Sunil Kumar	AT&C Losses, Metering Technologies, Billing and Collection
S Subramanian	Safety Aspects in Distribution & Transmission & Technical Loss Reduction
Atanu Das Gupta	SCADA, Automation & Smart Grid
B Muralidhar Rao	CEA Regulations on Safety, Safety Code & Audit
Phanindra Kumar	GIS & GPS Applications in Distribution
ESS Sastry	Inverter Principles, Selection criterion for Grid Connected and off grid applications
N Ramchander	Solar Power Invertors & PV Systems
Guruswami Revana	Bio-Mass, Geo-Thermal, Tidal & Wind Power Generation
DK Astik	Ind AS Accounting Standards and IFRS
DV Someswara Rao	PPA, Competitive Bidding & Generation Tariff
K Hariprasad	Preparation of Annual Revenue Requirements & Retail Tariff Fixation
C Jagadesh Reddy	Capital Budgeting, Project Appraisal & Risk Analysis and Cost Management
N Chandu Kumar	Budgeting, Strategic Financial Management and Financial Appraisal
KS Srinivas	EPF, ESI, Employee Compensation and Contract Labour Act
AS Kumar	Customer Relation Management & Communication & Presentation Skill
C Vijayakumar	Motivating Self, Employee Motivation and Morale Development
Dr. Sandhya Tiwari	Business Communications, Managing Change & Building Organizational Culture
K Srinivas	Time Management, Leadership Qualities, Positive Thinking & Attitude
D Murlidhar	Communication Skills, Leadership, Behavioral skills



## HOW TO REGISTER

1. **Considering Post Covid Scenario**, the course fee for National Regular programme on residential basis is **Rs. 6500/day/ participant + 18% GST**. The course fee for **Non-Residential participant** is **Rs. 5500/day/ participant + 18% GST**. The course fee for Webinars is **Rs. 2000/- per day/ participant + 18% GST**.
2. The Programmes are mainly residential and conducted at RECIPMT Campus, Shivarampally, Hyderabad. However, Considering COVID-19 Scenario, we have announced 2 days online WEBINARS.
3. Residential Fees includes boarding and lodging in addition to tuition fees, courseware & other facilities, field visit, etc. whereas Non-Residential fee excludes Boarding and Lodging.
4. The participants have to make their own transport arrangements to reach RECIPMT Campus.
5. **Bulk orders and customised requirements from utilities are welcome in advance. We will be happy to discuss requirements and offer special discounts for such requirements on annual basis to utilities through special MOU mechanism on receiving request from utilities.**
6. The Course fee may be paid in advance by banker's cheque or demand draft drawn in favour of **“REC Institute of Power Management and Training”** payable at Hyderabad. The course fees can also be paid by NEFT/RTGS. The Bank Details of RECIPMT are as follows:

Name of the Bank	<b>HDFC Bank Ltd.</b>
Account No.	<b>00210350000930</b>
IFS Code	<b>HDFC 0000021</b>
MICR No.	<b>500240002</b>
Branch & Address	<b>Lakdikapul Branch, Hyderabad</b>
PAN	<b>AAACR4512R</b>
GSTIN	<b>36AAACR4512R3Z0</b>

7. Names of the nominating officers may be sent to the Director, REC Institute of Power Management & Training (RECIPMT), Shivarampally, Aramghar X Roads, NPA Post, Hyderabad – 500052 along with the course fee. The nominations may also be sent by E-mail: [recipmt@gmail.com](mailto:recipmt@gmail.com)/[recipmt@recl.in](mailto:recipmt@recl.in)/[recipmtrg@recl.in](mailto:recipmtrg@recl.in).

**FOR FURTHER INFORMATION  
PLEASE CONTACT**

**SANTOSH KUMAR SAHU  
DIRECTOR**



**आर ई सी इंस्टीट्यूट ऑफ पावर मैनेजमेंट अँड ट्रेनिंग**  
(पूर्व सेंट्रल इंस्टीट्यूट फॉर रुरल इलेक्ट्रिफिकेशन)

**R E C INSTITUTE OF POWER MANAGEMENT AND TRAINING**  
(Formerly Central Institute for Rural Electrification)

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