



Information Brochure

"Certificate Course on Electrical Safety & Design Aspects of Electrical Installation"



Maharashtra State Electricity Distribution Co.Ltd

Department of Training & Safety, Eklahare, Nashik.

"Approved by Central Electricity Authority (CEA), Ministry of Power"

(ISO 9001:2015 Certified)

INTRODUCTION

Professional competence in the changing power sector requires not just cutting-edge technical classroom knowledge, but also effective work experience. Power sector is a very fast developing industry. Most of the services and works are outsourced for vendors and contractors. To enhance the skill of engineers to provide best services to distribution utilities and start up business to unemployed engineers, the Government of Maharashtra has passed resolution on dtd.06.04.2016 in view to withdraw one year experience condition for issue of Supervisor license to degree / diploma engineer.

As per Maharashtra State G.R., the syllabus and course content has been finalized by committee having members of Maha-Vitaran, TATA Power, Reliance Energy, Electrical Contractor Association and Electrical Inspector Mumbai. The committee has recommended 12 weeks residential training program, out of which 4 weeks class room training and 8 weeks practical training at field. Considering all these aspects, the department of Training & Safety, Mahavitaran Nashik proposes to conduct training program on **“Certificate Course on Electrical Safety & Design Aspects of Electrical Installation”** at its campus at Eklahare, Nashik for Diploma / Graduate Electrical Engineers.

COURSE OUTCOME

- Refreshment of knowledge studied during diploma / graduation.
- Participant will be able to understand SLD and design the ratings of electrical components for Electrical system.
- Also able to repair, install and maintain different electrical equipment's.
- Participant will be able to work independently as an electrical supervisor / contractor.
- Also enhance knowledge regarding EA-2003 and familiar with modern trends used in Electrical power System.

PROGRAM CONTENTS

The program will cover the following topics in syllabus as per G.R.

- Principles of Electricity, Materials, Batteries, AC Circuits, AC / DC Motors, Transformers, Earthings, Energy meters.
- Distribution lines, Switch gear & Circuit breaker, Cables
- Testing & Maintenance of Equipment's
- SCADA System and atomization
- Energy Audit & Conservation
- Practical training of distribution business activities, erection & maintenance of sub-station , equipment's
- Solar panel installation and net metering
- Practical training at EHV substation and protection system
- Various tasks and activities carry out regarding SLD preparation, design of wiring diagrams, earth resistance measurement, distribution panel wiring, Metering installation, safety precautions during work, fault detection and remedial action etc.

PEDAGOGY

The program will be conducted in an interactive environment providing greater scope for discussions. Eminent professionals, expert in-house faculties, consultants and experts from different organizations shall be involved as resource persons on different topics of their specialization. The pedagogy includes lectures, discussions, case studies and on job practical etc.

TARGET GROUP

The Diploma / Graduate Electrical Engineers wish to work in power sector as a supervisor / contractor / vendors / entrepreneurs are expected for course and will benefit from the program. **The admission will be given on first come first serve basis.** The batch will commence for minimum strength of 30 (Thirty) participation.

AGE LIMIT

No Age Limit for Course

PROGRAM SCHEDULE & VENUE

Period - 12 Weeks -- 1st Batch From Tentative from Dt.01/03/2019 to Dt.31/05/2019.

Address –

Institute of Training & Safety,
MSEDCL, Chummary No.1, NTPS Colony,
Eklahare, Nashik – 422105.

Contact Person: Mr. Jitendra Rathour, Additional Executive Engineer , +91 77680 00127.

PROGRAM FEE

SN	Category	Course Fee per participant	GST 18%	Total Fee
1	Residential	Rs.84000	Rs.15120	Rs.99120
2	Non-Residential	Rs.63000	Rs.11340	Rs.74340

The particular applicant needs to register his name and details. After scrutiny, if selected applicant has to pay full fees prescribed as per the norms of MSEDCL

HOW TO REGISTER

The interested eligible candidates can apply through company's website www.mahadiscom.in and hard copy will forward to "The Chief General Manager , Department of Training & Safety, MSEDCL, Chemmry No.1, Eklahare, Nashik – 422 105" with Demand Draft of course Fee. The registration will start tentative from dt.21/01/2019 to 20/02/2019.

The application form available on company website www.mahadiscom.in. The duly filled applications in prescribed format will be accepted through E-mail-Id: nashiktrainingcentre@gamil.com from dt.21/01/2019 and last date of receipt of application will be 20th Feb-2019 **OR** – Recommended application through the Member Secretary , Licensing Board Office of the Industries Energy & Labour Dept., Administrative Building, 3rd floor , Ramakrishna Chemburkar, Marg, Chembur (E) Mumbai - 400071,

CERTIFICATE FOR COMPLETION

The Training Centre issues a certificate on successful completion of 12 week course on concluding day.