

# 17<sup>th</sup> ROUND OF SOUTH ASIA

**ae  
ee** Alliance for an  
Energy Efficient  
Economy

## M&V TRAINING AND CERTIFIED MEASUREMENT & VERIFICATION PROFESSIONAL (CMVP) CERTIFICATION PROGRAM



JULY  
25-27, 2019

VENUE: TERI SRC Auditorium,  
Bangalore

In Conjunction with



Efficiency  
Valuation  
Organization

Awarded by



## LOGISTICS

### Training Hours

Day 1: 9:00 am - 6:00 pm

Day 2: 8:30 am - 5:30 pm

Day 3: 8:30 am - 1:00 pm

Exam: 2:00 pm - 6:00 pm

## PARTICIPATION FEES

### Three days Training & Examination Fees

Rs 70,000

### For International Participants

USD 1015

### Training Fee only (Exam to be taken within 3 years)

Rs 40,000

### For International Participants

USD 580

### Re-Exam Fees (within 2 years of initial Training & Exam)

Rs 30,000

### For International Participants

USD 435

**10% Special Discount for  
AEEE Premium and Large  
Member companies**

**10% Special Discount for  
Women Candidates. Only one  
of the discounts can be  
availed at a time.**

## ENERGY EFFICIENCY'S FIRST NEED IS AN EFFICIENT PROFESSIONAL - LIKE YOU!

Alliance for an Energy Efficient Economy is pleased to announce CMVP® training & examination to be held on July 25-27, 2019, in Bangalore, India

## AEEE BRINGS IPMVP TO INDIA ESPECIALLY FOR YOU

The CMVP programme has been designed jointly by Efficiency Valuation Organization (EVO®) and the Association of Energy Engineers (AEE). The CMVP programme recognizes the most qualified professionals in the competitive area of energy efficiency. This programme fosters a superior level of professional standards within the measurement and verification field.

The Alliance for an Energy Efficient Economy (AEEE) is facilitating the CMVP® certification in India and South Asia. AEEE is an industry-led association of energy efficiency companies, and an affiliate of Efficiency Valuation Organization (EVO®).

This is your opportunity to be certified to global standards, and join the lineage of over 4000 professional world-wide.

Earn the CMVP® credentials and be a distinguished professional in measurement and verification methodologies.

The right to use the CMVP® title is granted to those who demonstrate proficiency in the M&V field by passing a 4-hour written examination and meet the required academic and practical qualifications.

## ABOUT THE TRAINER

AEEE brings technically accomplished and a gifted instructor Mr Sandeep Dahiya. Mr Dahiya, CMVP is EVO Certified level 4, International Trainer and has hands on experience in CMVP® training nationally and internationally in countries like Dubai and Korea.

## ATTENDEE BENEFITS

In addition to the knowledge gained from the training, attendees will benefit in the following ways:

- Will receive printed copies of the seminar presentations
- Will receive printed copies of the IPMVP manual or electronic copies can be downloaded on EVO Web.
- EVO® Certificate of Attendance (upon request)
- Access to Subscriber Section of EVO® web page for one year

### Target Audience

- Building or industry owners, who wish to measure the energy savings generated by their projects
- Building or industry owners, who wish to partner with ESCOs to implement Energy Efficiency (EE) projects
- Employees responsible for EE program evaluation and operation
- Engineering firms or professional firms specialized in energy efficiency
- ESCO employees required to conduct energy audits, prepare Measurement and Verification (M&V) plans or monitor project savings

The CMVP® examination fee in India is 30% less than the fees in UAE, South East Asia, Canada, UK, and South Africa

### Relevance of CMVP Globally

- **ESCOs** activity is now being vigorously pursued by organisations like World Bank, EESL and others. Energy performance contracting requires strong M&V skills.
- **LEED** now provides additional points for Metering & Monitoring which is nothing but drawing a baseline and being conscious of deviations. M&V knowledge is required for this.
- The Industry is now talking of '**High Performance Buildings**' where O&M aspects are given more importance – M&V helps in operating buildings better. LEED has a concept of Dynamic Plaque which is also on the same lines.
- **IPMVP** concepts are highly relevant in Indian Energy Efficiency Sectors- Building, Industry, Municipal and Agriculture.
- **ISO 50001** – implementation requires annual targets to be pre-declared by the organisation. Reliable M&V mechanisms will be required in the analysis of the targets achieved by the energy management systems.
- CMVPs are most preferred for evaluating **DSM Programmes**, to deploy Evaluation Measurement and Verification (**EMV**) measures.



## WHERE DO YOU FIT IN?

CMVPs certified through AEEE are now working at Schneider-Electric, Wipro EcoEnergy, Darashaw, NPC, BEE, EESL Accenture, Intel, Infosys, CISCO, Honeywell, Johnson Controls and as Independent Consultants Globally.

## ELIGIBILITY CRITERIA

Those seeking the CMVP® designation must meet the following requirements (in addition to passing the exam):

Each applicant is required to attend EVO's Fundamentals of Measurement & Verification training prior to sitting for the CMVP exam. Exams are administered at the site following the training. Each candidate for CMVP certification must pass the four-hour written exam as well as meet one of the following criteria:

Currently a Certified Energy Manager® (CEM®)

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4-year degree from an accredited university or college in science, engineering, architecture, business, law, finance, or related field  
**AND**

3 years of verified experience in energy or building or facility management, or measurement and verification

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Registered Professional Engineer (PE) or Registered Architect (RA)  
**AND**

3 years of verified experience in energy or building or facility management, or measurement and verification

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4-year non-technical degree from an accredited college or university in a field not specified above  
**AND**

5 years of verified experience in energy or building or facility management, or measurement and verification

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2-year technical degree  
**AND**

5 years of verified experience in energy or building or facility management, or measurement and verification

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None  
**AND**

10 years of verified experience in energy or building or facility management, or measurement and verification

*If a trainee passes the exam but does not have the required education and/or work experience, the individual will receive the title CMVP-IT (CMVP in training). Applicants that do not receive certification status can request that their applications be resubmitted by the CMVP Board, if during that six-year period their exam score, education, or experience level changes. The certification director keeps examination scores on file for a period of six years. If the candidate does not meet the necessary requirements for upgrade at that time, the CMVP-IT designation will be dropped.*

## EXAMINATION AND TRAINING REQUIREMENT

The four-hour CMVP exam is administered in conjunction with EVO's two and one half day "Fundamentals" training program. The examination questions are based on concepts and experiences basic to measurement and verification. The exam is open book, and the questions are a mixture of multiple choices and true or false. A minimum pass rate of 70% on the examination is required. All CMVP exam results are final. Individual reviews of exams are not permitted after scores are announced. AEE and EVO are not at liberty to discuss exam questions or correct answers. Examinations are identified by number rather than by name to assure confidentiality and objective grading.

The written M&V examination covers such subjects as:

- Reasons for M&V
- Current M&V Projects
- IPMVP
- Developing an M&V Plan
- Current Issues in M&V
- Baseline Adjustments
- Key Elements of Success: Theory & Examples of IPMVP Options
- Selecting Options: Which One Is Best Suited for My Project?
- Adherence with IPMVP

**FOR  
REGISTRATION  
AND QUERIES**

### Contact Information:

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**More information  
is available at  
[www.aeee.in](http://www.aeee.in)**

Last Date of  
Receipt of  
Application and  
registration  
fees: June 30,  
2019