



We are glad to announce certified training program for SOLAR PV O&M ENGINEER under the framework provided by Skill Council for Green Jobs, Govt of India (SGJ/Q0117: SOLAR PV O&M ENGINEER_under the RPL scheme _80 Hours Training Programme)in January 2018 in association with QUEST, Bangalore.

Arbutus is an organization offering consultancy and engineering services in utility scale power plant and solar PV rooftop system over a decade now. This ISO 9000:2008 company has completed about 5 GW of consultancy and engineering assignment in the years gone by. The organization is led by Dr. Jayakumar who has more than 45-years' experience in industry in general and more than 25 years' experience in solar PV industry in particular.

Quality Evaluation and Systems Team Pvt Ltd (QUEST) is an established name in the Quality Management field for more than 3 decades. An ISO 9001:2015 and ISO 17020:2012 certified company, QUEST has been offering Third Party Inspection, Field Quality Assurance, Vendor Evaluation and allied services for Power, Aerospace, Engineering, Automotive, Healthcare sectors etc.

O&M is highly essential activity in order to achieve and maintain the best possible performance and return on investment over the entire useful life of any solar Power system. Dirty panels can't take in as much sunlight as clean panels. Damaged or defective panels or inverters can affect the output of an entire solar panel installation.

A multitude of skilled workers across the solar project value chain are needed to achieve India's targeted 100 GW of solar by 2022. New CEEW and NRDC analysis of the jobs created in the solar PV sector along with the related skills required in every phase of a solar project, estimates that India would need nearly 210,800 skilled plant design and site engineers and approximately 624,600 semi-and low skilled technicians for construction, most of whom would be needed to achieve the targeted 40 GW rooftop solar capacity addition. As many as 81,000 highly skilled workers would be needed by 2022 to carry out annual and ongoing performance data monitoring of solar projects totalling 100 GW. An additional 182,400 workers would be needed by 2022 to carry out low-skill operation and maintenance functions for the numerous solar rooftop and utility scale projects.

Arbutus & Quest have joined hands in offering O&M training for Solar Power Plant to O&M engineers under the aegis of Skill Council of India.

The major contents of the programme will be:

- **Carry out Operation of Solar PV Power Plant**
 - **Carry out Electrical Maintenance of the Solar PV Power Plant**
 - **Carry out Civil/Mechanical Maintenance of the Solar PV Power Plant**
 - **Maintain Personal Health & Safety at Project Site**
 - **Work Effectively with Others**
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- Test by Skill Council Government of India
 - Issue of Certificates for Successful Participants

Course Director:

Mr. Lokabhiraman S.

Retired Senior DGM from BHEL, Electronic Division, Bangalore

He has worked in BHEL solar PV division for 34 years and was a part of the team for establishing the manufacturing line of solar cells and PV modules.

1994 onwards, he worked in the area of SPV system engineering and field engineering services and was also responsible for development of solar controllers and grid connected inverters.

Mr. Lokabhiraman holds patent on BIPV systems and special type of PV module mounting structures and has worked in implementation of number of MW scale PV grid connected plants for various BHEL customers. Some of the major activities carried during his tenure in QS department were system quality control and inspection of all types of BOS items, preparation of MQP and FQP and preparation of Detailed Project Report (DPR) for implementation of SPV systems in Lakshadweep after carrying out detailed survey at 10 Islands.

- **Duration of Program: 10 Days including a Solar Power Site visit.**
- **Tentative Dates: 29th January 2018 to 7th February 2018 (Both days inclusive)**
- **Course Fee** (will be intimated later)per participant *(inclusive of taxes, food, course material and site visit)*
- **Venue:** QUEST Training Centre, Bangalore

Interested participants are requested to call or email for more information to Program co-ordinators:

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