



Training in solar cable technology is conducted in collaboration with LAPP GROUP, India.

LAPP INDIA is a 100% subsidiary of the LAPP GROUP international manufacturing cables, connectors, cable glands, conduits and accessories. LAPP is the pioneer in introducing the concept of "Total solution in electrical connectivity" in India, with unbeatable range of products.

Lapp products specifically intended for solar energy applications is very widely used in photovoltaics installations worldwide.

Solar Installations 2011

Date: November 21th - 25th, (Monday – Saturday)

Time : 9am - 5pm

Registration fee Rs. 500,- paid by D.D/M.O. addressed to the , Director, Mithradham (by crossed chq. Rs. 550/-)

Total course fee Rs. 6.000,- includes course material, lunch and refreshments. Course fee may be paid at the time of joining the programme.

Lodging with breakfast & supper Rs. 1.200/day for single room, Rs. 1.500/day for double room

Only 20 participants are admitted for the training programme and admission is on first come first serve basis.

Along Aluva-Perumbavoor private bus route is the Chunangamveli bus stop. 2 kms north of the bus stop is Mithradham. (Autos are available at Chunangamveli)



Address for Communication

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Renewable Energy Centre

MITHRADHAM
Chunangamveli, Aluva, Kerala, India

The first fully solar educational institution in India.

10 Years solar power plant

Multifunctional Energy Roof for Rural electrification

21. 11.. - 26.11.2011

**International Training
Solar Installation
Cable Technique**

SOLAR PHOTO VOLTAIC- THE ENERGY OF THE FUTURE

Photovoltaic production has been increasing by an average of more than 20 percent each year since 2002, making it the world's fastest-growing energy technology. At the end of 2009, the cumulative global PV installations surpassed 21,000 megawatts. Driven by advances in technology and increases in manufacturing scale and sophistication, the cost of photovoltaics has declined steadily and is expected to be soon in par with the non-renewable electricity.

In July 2009, India unveiled a plan, to produce 20 GW of solar power by 2020. Under the plan, solar-powered equipment and applications would be mandatory in all government buildings including hospitals and hotels. At present 20 solar P-V manufacturing companies are active in India.

India is expected to adopt a policy of developing solar power as a dominant component of the renewable energy mix since the subcontinent has the ideal combination of both high solar insolation and large consumer base. Some even think that India can make renewable resources the backbone of its economy by 2050 without compromising growth. The country needs 100,000- trained hands in solar energy in the next 10 years. Employment potential is huge in this area.

„ Photovoltaic – the conversion of solar light to electricity is the most important future technology for humanity“

Hermann Scheer, Alternate Nobel Laureate.

ONE WEEK P-V TRAINING PROGRAMME IN MITHRADHAM

Renewable energy centre Mithradham is the first fully solar educational institution in India dedicated to the promotion of Renewable Energy, especially solar energy in India. Mithradham offers training programmes in solar energy with international experts for the last ten years.

Renewable Energy Centre Mithradham offers one week training programme conducted by German solar P-V engineer Mr. Christoph Würtemberger, M+W Zander FE GmbH, who is responsible for solar energy generators. He has installed and supervised many solar energy installations in different parts of the world.

The one week training programme is tailored to all who have a basic knowledge in electricity and intend to make use of it especially engineers and technicians. Consultancy services are also offered by prior appointment with the expert during the training programme.

A certificate will be issued at the end of the training programme. The following are the areas of theoretical and practical training.

- **Basics of solar energy**
- **Stand alone P-V systems**
- **Planning, Mounting, Maintenance, Surveillance**
- **Grid connected system**
- **Solar Cable Technology**



Section of the solar power plant in Mithradham



Trainees at practicals



Energyroof cable mounting