

Agenda for Training

Dates: 27th and 28th March.2013

Location: TEDA office, EVK SampathMaaligai, Chennai.

Day 1 - Technology

	Time	
Inauguration	10:00- 10:30 am	Overview of PV
Session 1	10:30 - 11: 30 am	Solar PV Modules <ul style="list-style-type: none">- Photovoltaic effect and solar cell principles- PV Technologies<ul style="list-style-type: none">o Crystalline Silicon – Mono/Multio Thin Films – a-Si, CdTe, CIGS
Tea Break	11:30 - 11:50 am	
Session 2	11:50 – 12:50 pm	Inverters <ul style="list-style-type: none">- Inverter functionality- Central Vs String Inverters- MPP Tracking- Grid-tied vs Off-grid Vs Hybrid Inverters
Lunch Break	12:50 – 1 : 50 pm	
Session 3	1:50 – 2:50 pm	Balance of Systems <ul style="list-style-type: none">- Cables(DC and AC)- Connectors- String Combiner boxes- Mounting Structures- Monitoring systems
Tea break	2:50 – 3:10 pm	
Session 4	3:10 – 4:10 pm	Off-grid Systems <ul style="list-style-type: none">- Rooftop PV- Battery Storage
Wrap-up	4:10 – 4:30 pm	Summary of the day

Day 2 - Design

	Time	
Overview	10:00- 10:30 am	PV plant costing and government incentives <ul style="list-style-type: none">- Feed-in-Tariffs- Capital subsidies- Viability Gap funding
Session 1	10:30 - 11: 30 am	PV plant site selection <ul style="list-style-type: none">- Land- Evacuation- Solar irradiation- Other Infrastructure(roads, communication, water availability)
Tea Break	11:30 - 11:50 am	
Session 2	11:50 – 12:50 pm	DC Design <ul style="list-style-type: none">- Tilt angle- Orientation- Shading analysis- Yield simulation- Module and inverter performance derating
Lunch Break	12:50 – 1 : 50 pm	
Session 3	1:50 – 2:50 pm	Balance of systems considerations <ul style="list-style-type: none">- Mounting structure- Monitoring systems- Operation and Maintenance considerations
Tea break	2:50 – 3:10 pm	
Session 4	3:10 – 4:10 pm	Off-grid Systems <ul style="list-style-type: none">- System sizing- Battery Sizing
Wrap-up	4:10 – 4:30 pm	Summary of the day