**Annexure A**

**NATIONAL INSTITUTE OF SOLAR ENEGY**

**ITEC TRAINING ON SOLAR ENERGY TECHNOLOGIES (3 WEEKS)**

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| **Days** | **Particulars** |
| Day 1 | * Introductory Session on Solar PV and Thermal
* Solar Energy Fundamentals
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| Day 2 | * Testing standards of SPV systems
* Solar Photovoltaic Cell and Technologies
* SPV systems and Components
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| Day 3  | * Basics of Solar Thermal
* Solar Thermal and Biomass
* Solar Thermal Power Generation
 |
| Day 4  | * Inverters & Charge Controller
* Batteries for SPV applications
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| Day 5  | **Visit to 1 MW power plant at Gugaon and / or visit to Central Electronic Limited (CEL), a Solar manufacturing unit, in Ghaziabad**  |
| Day 6  | **Visit to Solar Installation Agra (Taj Mahal)**  |
| Day 7  | **Rest** |
| Day 8  | * India Experience on Roof Top and 1 MW Solar
* Performance and Reliability of SPV modules in out-door
 |
| Day 9  | * SPV system design
* PV Simulation tools like PVSOL/PV syst
 |
| Day 10  | * Installation, Sequence, Testing & Commissioning of PV power plant
* Lab Visit
 |
| Day 11  | * Hybrid Solar biomass Power plant in poly-generation process for combined power cooling and process heat
* Various Policies
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| Day 12  | **Visit to Solar Projects in Delhi** |
| Day 13-14  | **Important Solar Project Site Visits (One night stay during the outstation study tour)** |
| Day 15-16 | Internal Assessment through Questionnaire & Country Presentation |
| Day 17-18 | * Administrative Formalities
* Valedictory Session
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| Day 19 | * Country Papers
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