

## 8. SETTING UP OF 5KWP ROOF TOP SOLAR PV POWER PLANT AT KSCST AND REPLACEMENT OF TUBE LIGHTS WITH LED LUMINARS

Principal Investigator : Executive Secretary, KSCST  
Co-Principal Investigator : Mr. S N Jayaram  
Proposed budget : Rs.10.00 Lakshs

Energy cell is a wing of KSCST, working for propagation of Renewable Energy and its application. This section also takes up many programmes pertaining to rural development by way of application and monitoring of Renewable energy. Further any innovation in energy field is seriously taken up by this wing in order to implement and monitor so that its proven fruits are made available to common man. We also conduct many seminars/ workshops in respect of Renewable Energy and Energy Conservation at many Engineering colleges, and organisations by preaching importance Renewable Energy especially Solar Energy.

But if anyone asks whether we have any such project in our Council building then we may have to draw a blank line. Hence it proposed to install at least a 5kW roof top solar PV plant on the available terrace of the Council building. By doing so it serves many purposes like,

- At least 5kW of power is always available for use,
- That much of green energy will reduce the consumption of conventional energy.
- 30% Energy can be saved by replacing the existing tube lights by LED luminars
- Carbon foot print is reduced
- The excess energy may be exported to grid.
- An example is set up by the Council.
- We may avail the subsidy extended by the government.

Hence it is proposed to take up this 5kW rooftop solar power plant and replacement of tube lights with LED Luminars which may require approximately around Rs.10.00 lakhs of funding.

The project involves,

1. Preparation of project report.
2. Preparation and issuance of tender documents.
3. Assigning the work to eligible bidder / contractor
4. Commissioning of the project.
5. Replacement of tube lights with LED Luminars

The entire work will be completed within the period of 4 months.