

To,

Date:- 26/12/2019

ITS Engineering College  
46, Knowledge park-III,  
Greater Noida, Uttar Pradesh- 201310

**Subject: Benefits of 70 kWp Rooftop Solar Power plant towards Sustainable Development and Environmental conservation.**

Dear Sir/Mam,

This is to certify that a 70 kWp Rooftop Solar power plant has been installed and commissioned at ITS Engineering College 46, Knowledge park-III, Greater Noida- 201310 by Kreate Energy (I) Pvt. Ltd. (Formerly known as Mittal Processors Pvt. Ltd.) on 04 July,2016.

### Key Social & Environmental benefits for the plant:

- **Solar energy - a clean source:** No greenhouse gas emissions are released into the atmosphere when you use solar panels to create electricity. And because the sun provides more energy than we'll ever need, electricity from solar power is a very important energy source in the move to clean energy production.
- **No fuel to burn:** Fuel isn't required, and this means that solar power can create large amounts of electricity without the uncertainty and expense of securing a fuel supply. Hence, there's a reduced pressure on the local electricity grid and there's an increased local energy Independence. Hence, it contributes in Sustainable development of the society.
- **Energy Conservation:** A study has concluded that PV modules keep buildings significantly cooler in summer through passive solar cooling. Researchers concluded that rooftops with PV installed, by reducing the amount of direct sunlight falling on the roof, kept buildings up to 5 °C cooler during the day. Hence, reduced the load on Air Conditioning systems, leading to reduced electricity consumptions.
- **Environmental Conservation aspects:**
  - Power Plant Capacity : 70 kWp
  - Annual Generation : 1,02,200 kWh
  - Carbon dioxide emissions mitigation (Annual) : 102 tones
  - Useful Life of Plant : 25 years
  - Estimated Life time generation : 25,55,000 kWh
  - Carbon dioxide emissions mitigation ( Lifetime) : 2415 tones
  - This project will be equivalent to planting (Lifetime) : 3150 Teak trees

Hence, the project is providing an equivalent benefit to the environment that would be achieved by planting 3150 Teak trees.

Thanking You



Authorized Signatory

Kreate Energy (I) Pvt. Ltd