

2020-21

### Brief Report of Wheeling to the Grid

Invertis University is contributing to fulfil the demand of electricity by the effective Utilization of solar energy as it has installed solar panels on the rooftops of more than three buildings with Net Metering system. The project has been successfully installed and generating power which is more than energy requirement of the campus. The surplus power is export to MPCL Electricity. Wheeled power combined with BESS (Battery Energy Storage System) allows for a constant supply of electricity. The campus has installed 800 kWp Solar PV. Solar generation power is connected to the panel and grid to export energy to the Grid MPCL Electricity. A photovoltaic power system is an electricity generating Solar PV power system that is connected to the main LT panel.

The Solar Power Agreement was made between Uttaranchal Welfare Society, B-249 Patel Nagar – 2 Ghaziabad, Uttar Pradesh and Fourth Party Energy Private Limited, 704 Krishna Apartments, Tilak Road Hyderabad on 28th January 2017. The Plant consists of 29 inverters and 13 meters for reading. Solar panels are from Vikram Solar and the panel model number is 320. Extra Solar power Generated is exported to Madhyanchal Vidhut Nigam through Net Metering system. We also ensure the regular maintenance and working of the solar power plant and are highly committed to contributing to save energy and its resources to which we as one nation can allocate the saved resources in the development of our country.

#### Advantages of Wheeling to the Grid

**1. Energy Sustainability**

Utilizing wheeled electricity generated from renewable energy plants will result in reduced consumption of fuels, thus reducing greenhouse gas emissions and pollution.

**2. Energy Stability**

Wheeled power combined with BESS allows for a constant supply of electricity.

**3. Energy Cost Reduction**

The cheapest way of gaining direct access to renewable energy, with upto 50% reductions in electricity costs.

**4. Energy Flexibility**

A great advantage with wheeling for businesses includes the ability to power up your business utilizing cleaner, cheaper energy without the restrictions of constructing the energy solution on their premises.

Details:

| S. No. | Date         | Import Energy | Export Energy |
|--------|--------------|---------------|---------------|
| 1      | (24-04-2020) | 193880        | 99432         |
| 2      | (04-09-2020) | 197515        | 120437.5      |
| 3      | (02-04-2021) | 217444        | 146543.5      |
| 4      | (01-05-2021) | 220273        | 152189        |

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