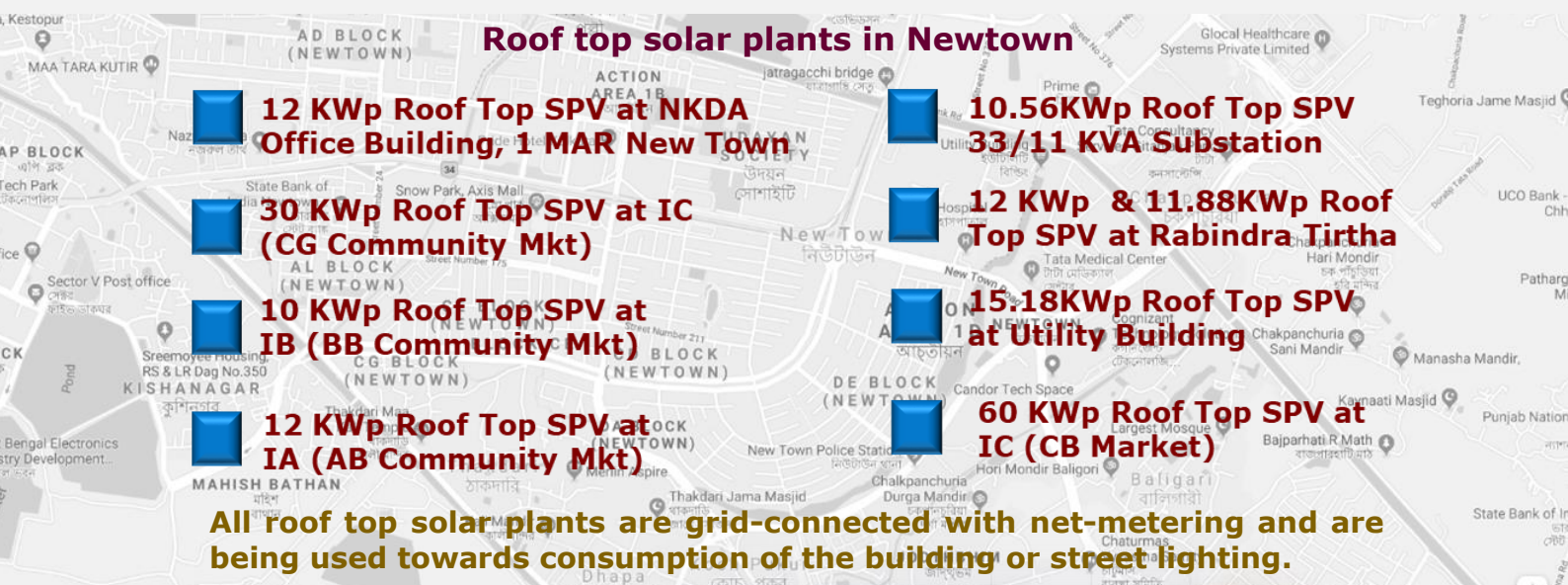


# Case Study: Sustainable Source of Energy - Solar in Newtown

**NEWTOWN**, since its inception has been envisioned as a 'satellite' town, with an objective to reduce the mounting pressure on Kolkata; by establishing new business centres and increasing the housing stock supply. Therefore, Newtown for its very essence, has a substantial energy requirement.

Newtown being a 'solar city' aims at reduction in the conventional energy consumption of the city by sizeable quantum. Use of solar power as an alternative energy has been one of the major initiatives towards achieving its goal. Newtown, in its drive to make a cleaner and greener city, has successfully explored various innovative ways for solar power generation.

**NEWTOWN** has multiple Roof Top Solar Plants, Canal Top Solar Plants and Floating Solar Plant.



## Other Solar Power Projects in Newtown:

1

### 500-kwp Canal top SPV at Eco Park, New Town :

Commissioned in 2015 . Canal top was selected for laying the solar panels to minimize use of land parcels . Panels also prevent loss of water by evaporation and protects the water from various wastes. The energy generated from the canal top panels is fed into the grid through net-metering

2

### Canal top solar plant along 1.7 km stretch of Link Canal in Action Area I, Newtown:

Solar power generated from the canal top is being utilized for illuminating 150 LED street lamps on both sides of the Canal Side Road.

4

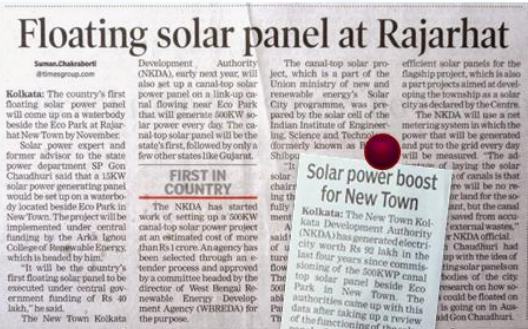
### Floating Solar Plant, Newtown:

10Kwp floating solar plant has been developed in Action Area I near Smritiban Park. The power generated is grid connected and is used for lighting the green verge in Smritiban.

3

### Solar Dome at Eco Park, Newtown:

An initiative, under construction, to raise awareness about the importance of solar energy. The entire dome will be covered by solar panels which, in turn, will produce electricity to run the project and will also provide power to Eco-Park. It will house a planetarium, marine aquarium, gallery and a view point.



Going forward the city proposes to illuminate a large number of LED based solar street lights along pathway amidst the green verge at various locations across the region marked for Area Based Development in Newtown.