

INTRODUCTION

Bhopal is among the first 20 cities selected in first round of smart cities challenge under Government of India's (GoI) smart cities mission (SCM) to implement the smart city proposal (SCP). According to which, at least 10% of the electricity consumption must be from renewable resources. For the pursuance of the aforesaid, under solar city mission Bhopal Smart City Development Corporation limited has taken initiative to produce green power by installation of rooftop solar power plants. To implement the same BMC Signed Mou with Solar Energy Corporation of India, New Delhi for installation of 3MW and 1 MW with MP Urja Vikas Nigam Limited, Bhopal Roof top solar projects.

It is planned under two categories.

- Government Buildings
- Residential Buildings

Government Buildings:

Under this category Government Buildings are identified for installation of Roof top solar power plants. In the first phase, 35Kw RTS installed on head office, Nagar Nigam, Bhopal and has been working efficiently. In the next phase, installation of 1MW RTS plants on other government buildings is in progress.



1Mw Solar power plant installation is in progress on Upper lake front beside VIP road

Residential Buildings:

Under this category, residential buildings in BMC area are planned to install RTS. To achieve the same online application form for RTS installation is provided on Bhopal plus app and on website also. Citizens of Bhopal are showing positive response for green energy installations. In one month, more than 21 applications have been received for enquiry.

To encourage citizens for installation of roof top solar power plants some new policies are proposed by Bhopal Municipal Corporation which are under draft stage.

1. BMC is planning to give rebate on Property tax for those who install RTS in their premises
2. BSCDCL is providing special incentive of cost of Net meter for domestic consumers

Project Impact:

1. Lower and ultimately eliminates utility bills.
2. Increased market value of the homes.
3. Tax credit and rebates.
4. Low maintenance and high reliability
5. Eco friendliness