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# TIMES PROPERTY

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ADVERTORIAL, PROPERTY PROMOTIONAL FEATURE

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## TRIVIA ON RENEWABLE ENERGY

1 India is using just 7% of the energy it could potentially generate using wind, solar, biomass and small hydro resources. But capacity is building up and with it the share of renewables in India's energy mix

2 The energy statistics published by the Central Statistics

3 THE FOCUS OF THE GOVERNMENT IS ON MAINSTREAMING RENEWABLE ENERGY TECHNOLOGIES SO THAT IT BECOMES COST-EFFECTIVE

Office reveals that Rajasthan has the highest share of about 14% in renewable energy, followed by Gujarat with 13% and Maharashtra with 10%, mainly on account of solar power

3 The ministry of new and renewable energy has signed MoUs and agreements with 55 countries and their institutions to enhance cooperation in the field of renewable energy



# MAKING LIFE SUSTAINABLE



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**Usage of renewable energy in the form of solar panels and rainwater harvesting is the need of the hour and the city's real estate developers are realising it**

India is a growing economy with its energy requirement increasing every passing day. The energy the country produces is not enough to meet our current needs. The reality is that the country's fossil fuel reserves are depleting and in that scenario there is but one long-term solution – using renewable energy to fulfil energy requirements as well as to save the environment. It is the same out here in Kolkata where renewable energy needs to be harnessed for it has the potential to take on increasing energy crisis and holds the key to the future of energy.

According to Central Electricity Authority data, India's installed power capacity is 3,46,048 MW (as on November 1, 2018), with renewable energy contributing 7.8% (approx). The focus is on mainstreaming renewable energy technologies so that it becomes cost-effective. India will add 227 GW of renewable energy capacity by March 2022, as per reports.

Rabi Rashmi Abasan which means solar-ray based dwelling is India's first solar residential complex



## POWER PUFF

- Solar PV panels of 1.5 MW on the rooftops of a project in Serampore generates 20,000 KW of solar electricity every year
- Solar electricity powering common amenities leads to lower maintenance costs, making housing affordable
- The solar panels also act as shade and cool down the flats that are just below

Real estate developers in Kolkata are being the same line. "Solar PV panels of 1.5 MW have been installed on the rooftops of the apartments at our project in Serampore. It generates 20,000 KW of solar electricity every year, translating into ₹ 1.25 crore worth solar electricity," opines Biswadeep Gupta, director (marketing) of a city-based realty group. With the solar electricity powering common amenities, maintenance cost too has come down to less than ₹ 1 per square foot. This is also translating into lifelong savings.

"All the apartments have three sides open with cross ventilation in the bedrooms which means there is so much light that you get to save on your electricity bills too," points out Gupta. The solar panels



Three-side open apartments with cross ventilation in the bedrooms mean there is so much light that one does not need to switch on tube lights until dusk. That way one gets to save on electricity bills too. This makes life sustainable and living affordable.

■ BISWADEEP GUPTA,  
DIRECTOR (MARKETING) OF A REALTY GROUP

also act as shades and cool down the flats that are just below the roof.

The government has norms in place to make real estate developers harness sources of renewable energy. "KMC states that in residential projects around 3% energy generation should be through solar power. We do rainwater harvesting in our Serampore project and will replicate it in our residential project to be launched in Joka," says Arya Sumant, MD of a realty group with major residential projects across the city. Special tanks are used to collect the rain water, a part of which goes down to the ground level. "This collected water comes in handy for gardening and flushing in toilets," adds Sumant.

The state government has incentives for developers who abide by green certification. "While the rate per sq feet of such apartments is about ₹ 50 more per sq ft, it translates into savings in the long run," opines Pawan Agarwal, MD of a real estate marketing firm. Commitment to sustainable development is what will save the environment in the long run.

India is densely populated and has high solar insolation, an ideal combination for using solar power in India. West Bengal Renewable Energy Development Agency (WBREDA) has constructed Rabi Rashmi Abasan – the first building integrated PV project in the country at New Town. The project comprises 25 villas with building integrated PV of capacity 2.1 kW in each house. There is also a community centre where 8 kW building integrated PV has been installed. Each bungalow has 100 LPD solar hot water system. The bungalows are also under passive architecture to reduce the energy consumption.