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Press Release

**106MWp of Solar Power Generated by BSES Consumers in Delhi
BSES Consumers save Rs. 68 crore annually from roof-top solar**

- **BSES Energises 3000 Plus Rooftop Solar Net Metering Connections- Highest 1805 residential connections, followed by 665 in educational segment and 554 in commercial segment**
- **Roof-top solar is a win-win for both Consumers and Discoms**

New Delhi: BSES Rajdhani Power Limited (BRPL) and BSES Yamuna Power Limited (BYPL) have been aggressively promoting roof-top solar in South, West, East and Central Delhi. BSES discoms have energised a record 3000 plus- 3140 to be precise - roof-top solar installations with a connected solar load of 106 MWp. In the next financial year (FY 21-22), BSES discoms are aiming to energise over 1000 roof-top solar connections.

The response to roof top solar net metering has been very incredibly encouraging in BSES area. Consumers across categories, including residential, educational (and schools) and commercial establishments have warmed up to roof top solar net metering in big-way.

An analysis of the data shows that the highest number of rooftop solar net metering connections are in the domestic segment (1805), followed by educational institutions (655), commercial establishments (554), industrial (35) and others (91). On the other hand, if we analyse on the basis of energised solar load, then the biggest category is educational (43 MWp), followed by commercial (28 MWp), residential (23 MWp), industrial (3 MWp) and others (3 MWp). Infact, roof-top solar is a big-hit among CGHS segment, where around 90 societies and apartment complexes have opted for roof-top solar with a sanctioned load of over 5 MWp.

If we analyse the annual savings accruing to the consumers, savings are over Rs 68 crore annually. By opting for roof-top solar, consumers in the commercial category are estimated to save around Rs 25.8 crore annually, followed by educational institutions (Rs 23.73 crore) and residential consumers (Rs 9.8 crore).

	Residential	Educational	Commercial	Industrial	Others	Total
Connections	1805	655	554	35	91	3140
Installed solar capacity (MWp)	23	43	28	3	3	106
Estimated annual savings (Rs, Crore)	9.8	23.73	25.58	2.5	6	68

According to a BSES Spokesperson, “In a bid to realise its full potential, BSES is leading the efforts for accelerated adoption of roof-top solar in the national capital. Our Solar City initiative is promising to be a game-changer. Besides promoting adoption of solar, the initiative is a win-win proposition for both

the consumers and the discom alike. The solar outreach program is also educating consumers about the benefits of solar energy while ensuring strict quality compliance of the systems being installed. It is also facilitating various finance options available to the consumers.”

BSES has energised ‘roof-top net metering’ connections ranging from a sanctioned load of 1 KW to over 2000 KW. Consumers have begun to see the benefits of roof stop solar net metering and how it reduces their electricity bills.

Benefits (Consumers)

For consumers, roof top solar net metering is an ideal method to reduce electricity bills and do their bit for the environment. The benefits accruing to the consumers are plenty such as :

- Potential to reduce a consumer’s power consumption, bringing it within the threshold to avail Delhi Government’s power subsidy
- Every KW of rooftop solar generates about 100 – 120 units of electricity every month and the cost of the system can be recovered within 3.5 to 4 years.
- Generate electricity for self consumption and sell surplus, if any, to the discom, which in-turn pays them for the surplus energy generated over and above the consumer’s own consumption as per DERC guidelines (in Delhi).
- Consumers can opt for the RESCO and the Capex models. Under RESCO model, Consumers don’t have to incur any upfront capital expenditure. It is borne by the vendor.
- The much awaited Solar PV Rooftop Scheme under MNRE’s phase 2 guidelines (with support of the Delhi Government) is now available for consumers. Now, a residential consumer can get a capital subsidy of upto 40% depending on the solar load.

Benefits (Discom)

Besides helping BRPL and BYPL in meeting its renewable purchase obligation (RPO), the pioneering initiative will help the discom minimise overloading issues in congested areas during the peak summer months.

Potential

According to Delhi Solar Policy, Delhi is blessed with 300 days sunny days and around 31 square kilometers of roof-top space available for solar panels. This gives Delhi a solar energy generation of around 2500 MWp. As per estimates, while exploitable solar potential in South and West Delhi is around 800 MWp, it is around 200 MWp in East and Central Delhi.

BRPL & BYPL are premier power distribution companies and Joint Ventures between Reliance Infrastructure Limited and GoNCTD.

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