

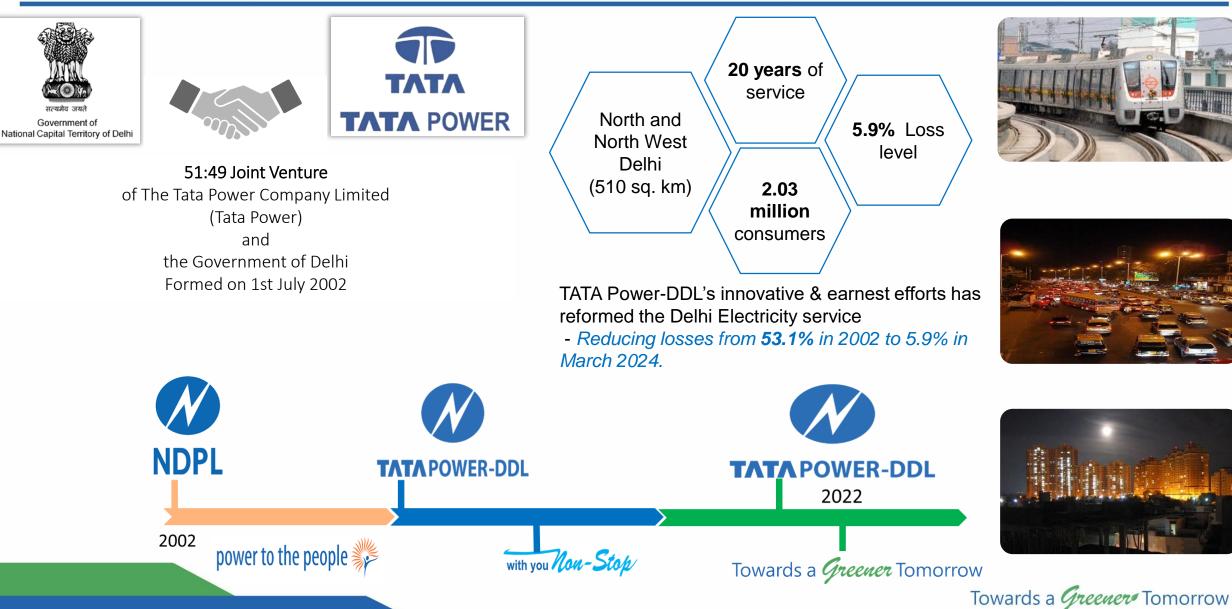


Demand Flexibility and DSM Initiatives

May 14, 2024

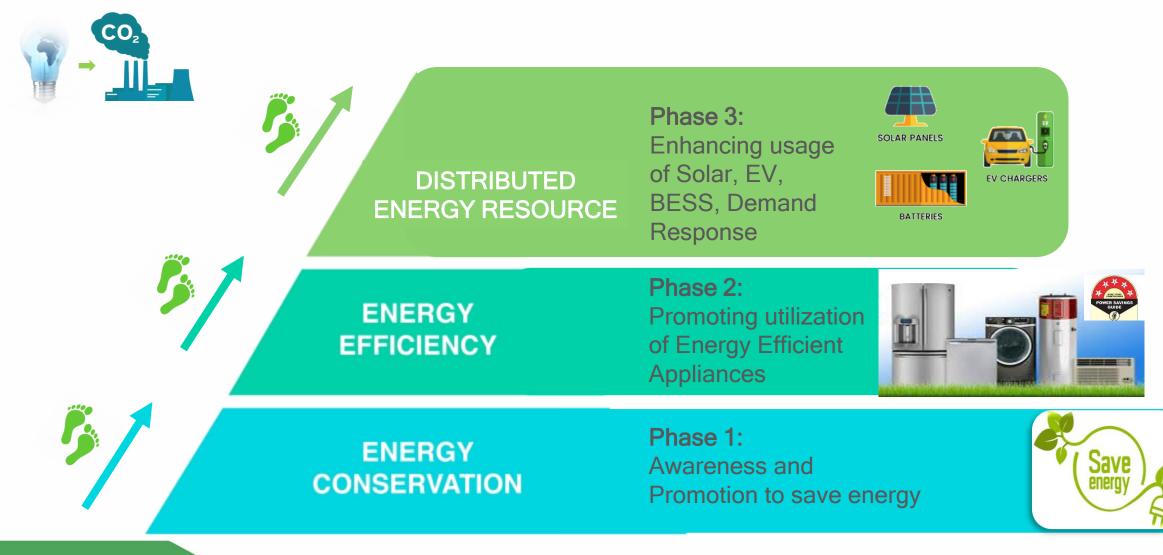


About Tata Power-DDL





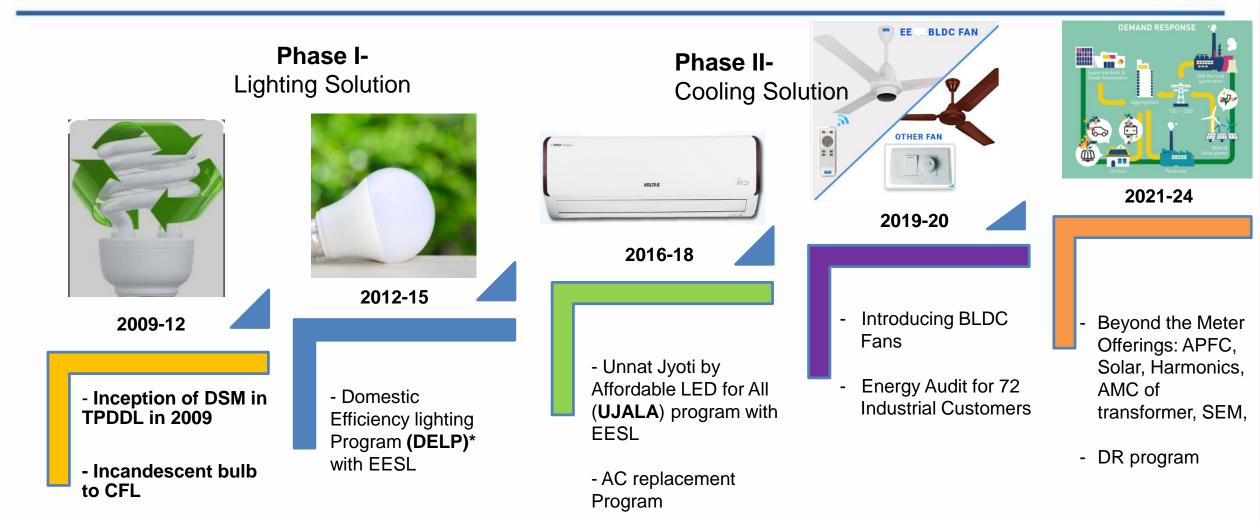
Demand Side Management – Phases



Towards a Greeners Tomorrow

Journey of Demand Side Management

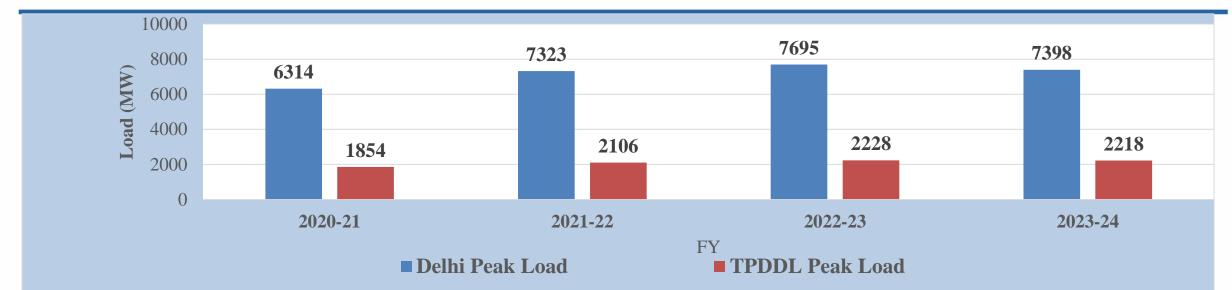


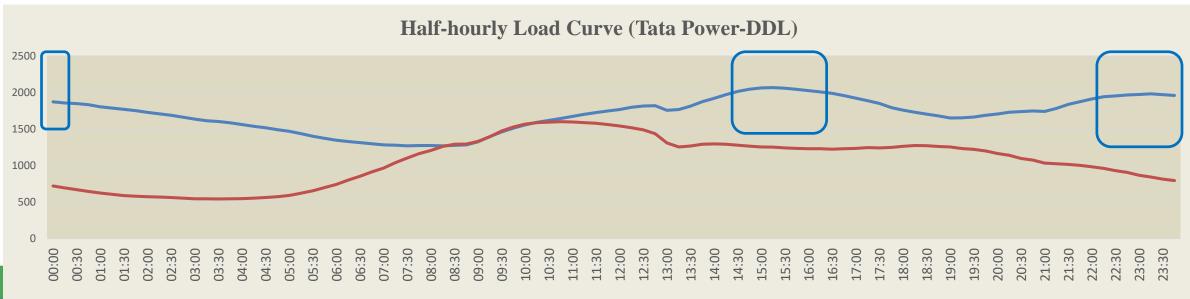


- Awareness programs

* The scheme was announced as "Domestic Efficient Lighting Program (DELP)" on 5 January 2015, urging the people to use LED bulbs in place of incandescent bulbs, tube lights and CFL bulbs as they are more efficient, long lasting and economical in their life cycle duration.

Peak Demand – Delhi and Tata Power-DDL





-Summer -Winter

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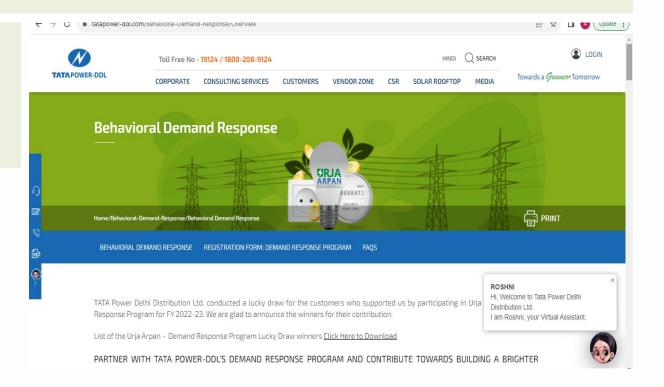
Behavioral Shift through Demand Response Programs

Behavioral Demand Response (BDR) – An energy load management program

- Seeks to manage electricity demand at consumer's end by encouraging them to decrease their consumption
 - With incentives (Critical Peak Rebate) or
 - With penalties (Critical Peak Pricing)

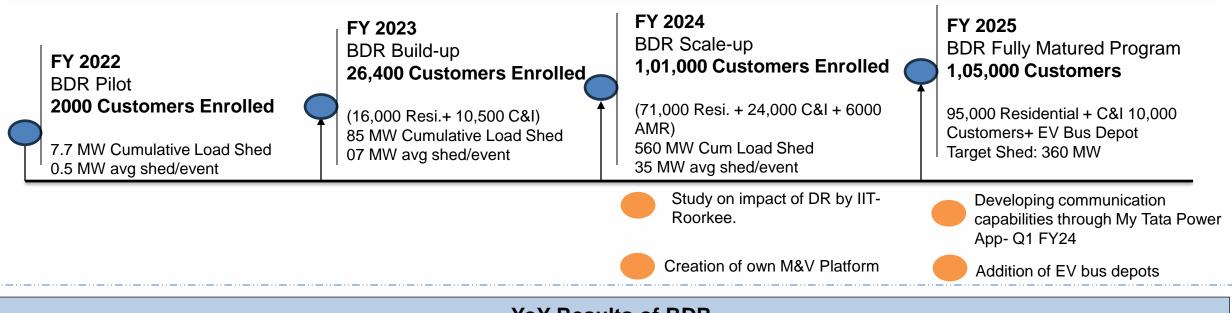
Tata Power-DDL was "first" in India to initiate BDR at High Scale

- Extensively engaged with customers
- Assessed capability to Manage peak demand through voluntary contribution



Towards a Greeners Tomorrow

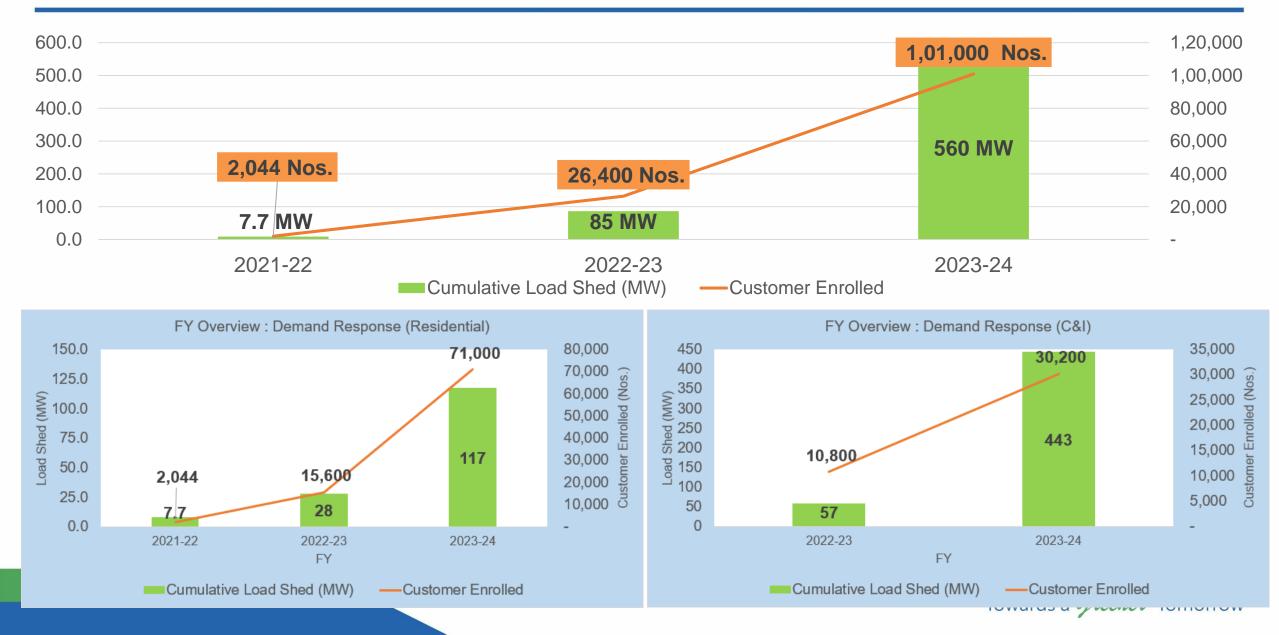
TATAPOWER-DDL Journey So Far: Behavioral Demand Response



YoY Results of BDR				
Description	UoM	FY22	FY23	FY24
Customers Targeted	Nos	4,417	64,000	1,33,000
Customers Enrolled	Nos	2,044	26,400	1,01,000
Cumulative Load Shed	MW	7.69	85.0	560 (Target-300)
Average Participation in an Event	Nos	880	7,300	27,050
Minimum & Maximum Participation in an Event	Nos	630 & 1,300	4,600 & 11,300	12,250 & 44,850
No. of Events Successfully Executed	Nos	16	12	16
Unique Customers Participation	Nos	1,990	19,900	91,300

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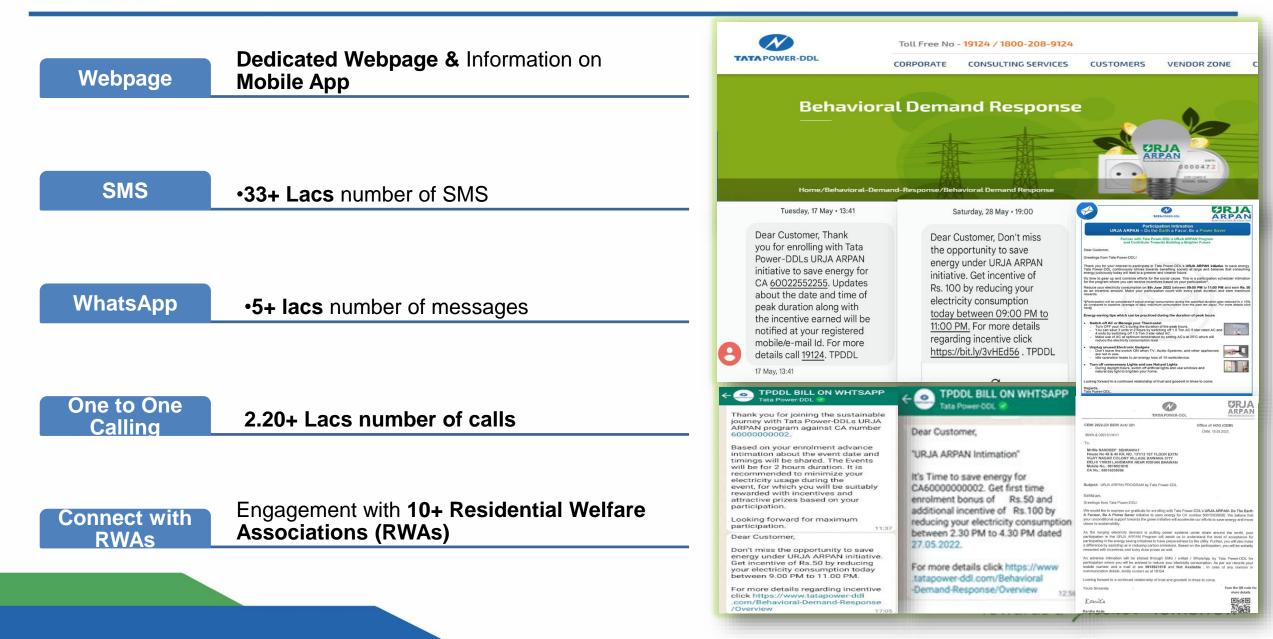
Y-o-Y Performance





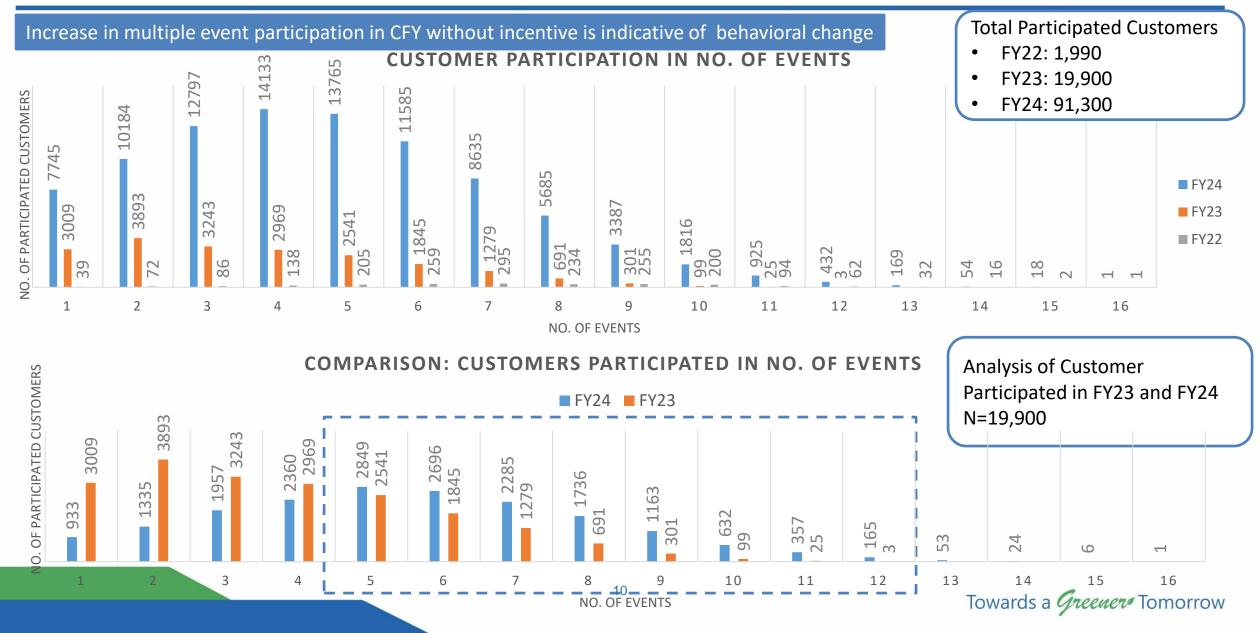


Customer Engagement





Impact : Y-o-Y Behavioral Change





Customer Feedback

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The Behavioral Demand Response Program is a great initiative by Tata Power Delhi Distribution under which we can save energy through optimum utilization. The energy saved can be used for essential requirements.



Vishal Vadhera Pitampura

We received SMS from Tata Power-DDL regarding the **Behavioral Demand Response** Program which involved energy saving during the peak demand periods. My family used to switch off all extra lights, fans, ACs and sit in one room using



Dr. Veeta single AC during the event. Malkaganj, New Delhi

We were excited to be a part of Tata Power-DDL's Behavioral Demand Response Program as this was a first-of-its-kind initiative that was being carried out. I used to switch off the television, and listen to music on my mobile phone during the designated events.



Shreya Pitampura

The Demand Response Program helped us save energy through minimum use of power during the designated slots. This is a great way towards building a brighter future for our country. After the completion of each of the events, we got confirmation about our successful participation.



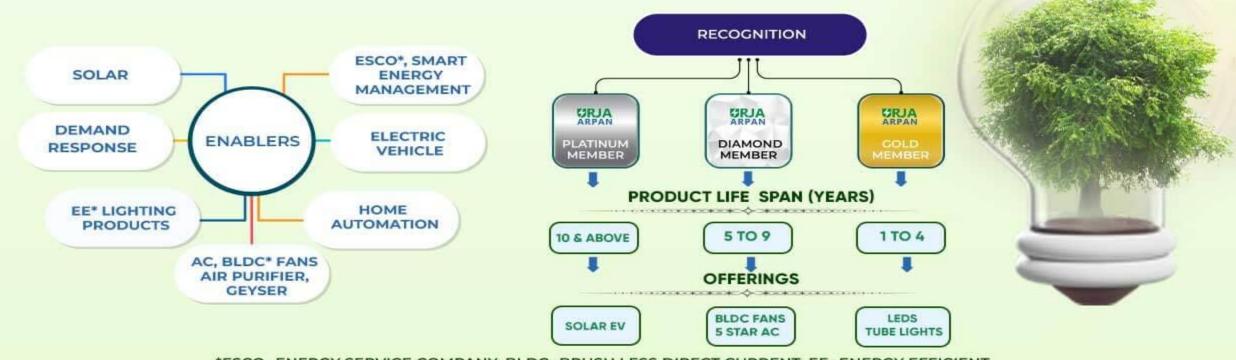
Sumesh Pitampura



"URJA ARPAN" FRAMEWORK

GRJA ARPAN





*ESCO- ENERGY SERVICE COMPANY; BLDC- BRUSH LESS DIRECT CURRENT; EE- ENERGY EFFICIENT



TARGET TO ACHIEVE UNDER URJA ARPAN CAMPAIGN



SAVING OF 100 UNITS IS EQUIVALENT TO REDUCTION OF 79KG CO2, RESULTING IN SUBSIDING THE BURDEN OF 3 MATURED TREES IN A YEAR

Pledge for Urja Arpan to create pool of 1 Lakh Climate Conscious Citizens



Urja Arpan Pledge by 400 Students of CRPF School, Rohini



Urja Arpan Pledge by 400 Students of IIHM, Pusa



Urja Arpan Pledge by 400 Students of Prabhudayal School, ShalimarBagh



Customer Engagement with Stakeholders

Customer Engagement

- Digital Campaigns: Weekly engagement on Social Media.
- **Physical Campaigns**: Regular interaction through camps, sessions and events at Schools, RWAs and IWAs.
- Media Presence: UA stories on print media.



Urja Arpan Initiative og Customers Aboard on the Need to Commit to Energy Efficie + Follow ····

"Urja Arpan" an initiative of Tata Power-Delhi Distribution Ltd aims to encourage responsible and optimal electricity consumption through use of energy efficient products and services among individuals and organizations and persuade citizens for practicing sustainable lifestyle for greener tomorrow. Visit our website: https://urjaarpan.com

#urjaarpan #sustainability #energyconservation

Tata Power-DDL

76,580 followers 2w • Edited • 🕥

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1 comment + 17 repos





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Take A Pledge To Contribute



With Effect From April 2022

å ** **....** ~ à List Street Demand Response

WHAT IS URJA ARPAN?

"Urja Arpan" an initiative of Tata Power-Delhi Distribution Ltd aims to encourage responsible and optimal electricity consumption through use of energy efficient products and services among individuals and organizations and persuade citizens for practicing sustainable lifestyle for a greener tomorrow

Read More

SAVING THROUGH URJA ARPAN







TATA POWER-DDL

Towards a Greener Tomorrow

Thank You