

# DSM - Non Star AC Replacement Program

**Scheme for Replacement of Non Star AC with BEE 5 star/ Inverter Acs**

**Discounts up to 50% on New ACs**

**Scope for 20,000 Consumers to replace AC under Program**

**Potential of Saving 12 MUs of Electricity Every Year**



**DOUBLE SAVINGS DHAMAL**

**Save up to 50% on the cost of a New 5 Star Rated AC**

**Save approx. ₹5500 on your Electricity Bill annually.**

TATA POWER-DDL  
with you Non-Stop

**AC units sold till date  
9089 units**

**Scheme relaunched on March 15, 2017  
Scheme valid till August 31, 2017**

# DSM Based Efficient Lighting programme (DELP)

## Scheme for Selling Energy Efficient LED Bulb at Subsidized rate of Rs 93 Each

- 12 Lacs LED distributed
- Energy saved more than 3.6 MU
- More than 2.5 Lakh Household benefitted
- Revised Scheme of DELP including LED Tubes will be launched from 01<sup>st</sup> April 2016



**TATA POWER-DDL**  
WITH YOU NON-STOP

**SHIFT TO LED BULBS.**  
**SHIFT TO NON-STOP SAVINGS.**

TATA POWER-DDL PRESENTS AN OFFER THAT'LL SAVE YOUR MONEY AND POWER

**GET 4 LED BULBS AT ONLY ₹ 93 EACH.\***

LED bulbs available at all TPDDL Consumer Care Centers

For further information, please call 011-66404040 or [click here to register](#)

\*T&C APPLY

# LED Light with Discounted Price

## Objectives

- To launch a discount based scheme for complete range of LED Lights for the benefit of TPDDL consumers
- Extending range 9W / 12W / 14W bulbs, 4ft Tube Lights and other LED lights with warm and cool white options
- Improve utilization factor
- Provide better pricing than market and warranty from participating branded supplier
- Target Commercial and Industrial consumers also along with domestic
- Linking with ESCO program

## Status

- Vendor selected for the scheme- Crompton Greaves Consumer Electricals Limited
- Launch of the Program – April 1, 2016
- Duration of the scheme – 6 months (April 1, 2016– September 31, 2016)
- Discount offered under the scheme :40-50% on MRP
- Inclusion of 4 types of bulb; 2 types of Tube Light; 3 types of panel Light; 3 types for C&I segments
- Distribution agency for the program finalized

## Strategy

- LED distribution counters at all TPDDL Customer Care Centers
- Engagement of TPDDL Brand Ambassadors for distribution
- Arrange of LED camp at Industrial Area through IWA
- Arrangement of weekend LED camp at RWAs/Housing Societies
- Promotional activity through Leaflet with electricity bill (cost will be incurred by CGL)
- Awareness program through Canopy Design, Standee, Banners

# ESCO PROJECTs (Energy Service Company)

## Objective

- To Encourage TPDDL and non TPDDL customers for conducting Energy Audits & Implementation of the Energy Efficiency (EE) measures through ESCO route
- To Provide value added services to customers
- To Optimize TPDDL peak load consumption

**Target: High End Industrial & Commercial Consumers like commercial complex, plastic industries, flour mills, cold storage, hospitals**

# ESCO PROJECT

## Current Status:

- Tendering completed for empanelment of ESCOs
- 7 ESCO companies empanelled
- Pilot Audits conducted for 60 domestic consumers & 16 I&C consumers to ascertain potential
- Letters sent to potential 191 customers for awareness; Leaflets prepared
- Agreement prepared & duly vetted by Legal
- Letter sent to DERC regarding status update and empanelment of ESCOs

### *Delhi Bottling Company Limited (Bisleri International Pvt. Ltd)*

- Replacement of existing unitary AC's with higher energy efficient five star ACs
- Installation of VFD to HP air compressor & RO plant
- Replacement of T12 & T-8 Tube lights with LED based tube lights (16 W)

### *Unitech Amusement Parks Limited*

- Installation of VFD to chiller secondary pumps
- Improve power factor to unity
- Operate one condenser water pumps instead of two during one chiller operation
- Install lighting energy saver to lighting feeder to reduce lighting operating voltage to 380 volts

## **KEY FINDING of PILOT- DETAILED AUDIT**

### *Source well Agro Foods Private Limited*

- Replacement of existing unitary AC's with higher energy efficient five star ACs
- Installation of VFD to all screw air compressor & HP fans
- Replacement of T12 Tube lights with LED based tube lights (16 W)

### *Saroj Hospital and Heart Institute*

- Replacement of reciprocating chillers with screw chillers
- VFD to chilled water pump with header pressure feedback control system
- Optimization of condenser water flow to chillers
- Installation of 3 – way control valves at AHUs to control temperature in user areas
- Installation of VFD on RO plant HP pump to avoid throttling

# New Facilities for Consumers : E Charging Stations

- Recommendations submitted through Smart Utility Forum to Ministry of Heavy Industries, GoI on E-Vehicle Charging process.
- **2 New Charging stations installed in front of NSP VT Center and DU Grid in addition to existing 5 Stations**
- Submission to DERC for different tariff rate for E-Vehicle Charging



## Existing Stations

66KV Grid Sub-station Sector-3, Rohini, near TPDDL Shakti Deep Building

66KV Grid Sub-Station Pitampura-1, Outer Ring Road, Near Madhuban Chowk, Pitampura

33KV Grid Todapur (Pusa), Near Chidya Colony, Todapur

33 KV Grid Delhi University, Near Police Station

66KV Grid Sub-Station Sector-15, Rohini, Near Schdeva Public School

# New Facilities for Consumers : Automated Demand Response (ADR)

- DERC approved ADR scheme for two years
- Allows consumers to make informed decisions by providing highly detailed information ; Web based portal
- Provides consumers with greater control over their electricity use when coupled with time-based rates, potentially saving money on their monthly electric bill.
- Incentive for Consumers
  - 40% of average C&I tariff in case of event with in two hours notification (immediate intimation)
  - 20% of average C&I tariff in case of ADR event with more than two hours notification (advance intimation)

