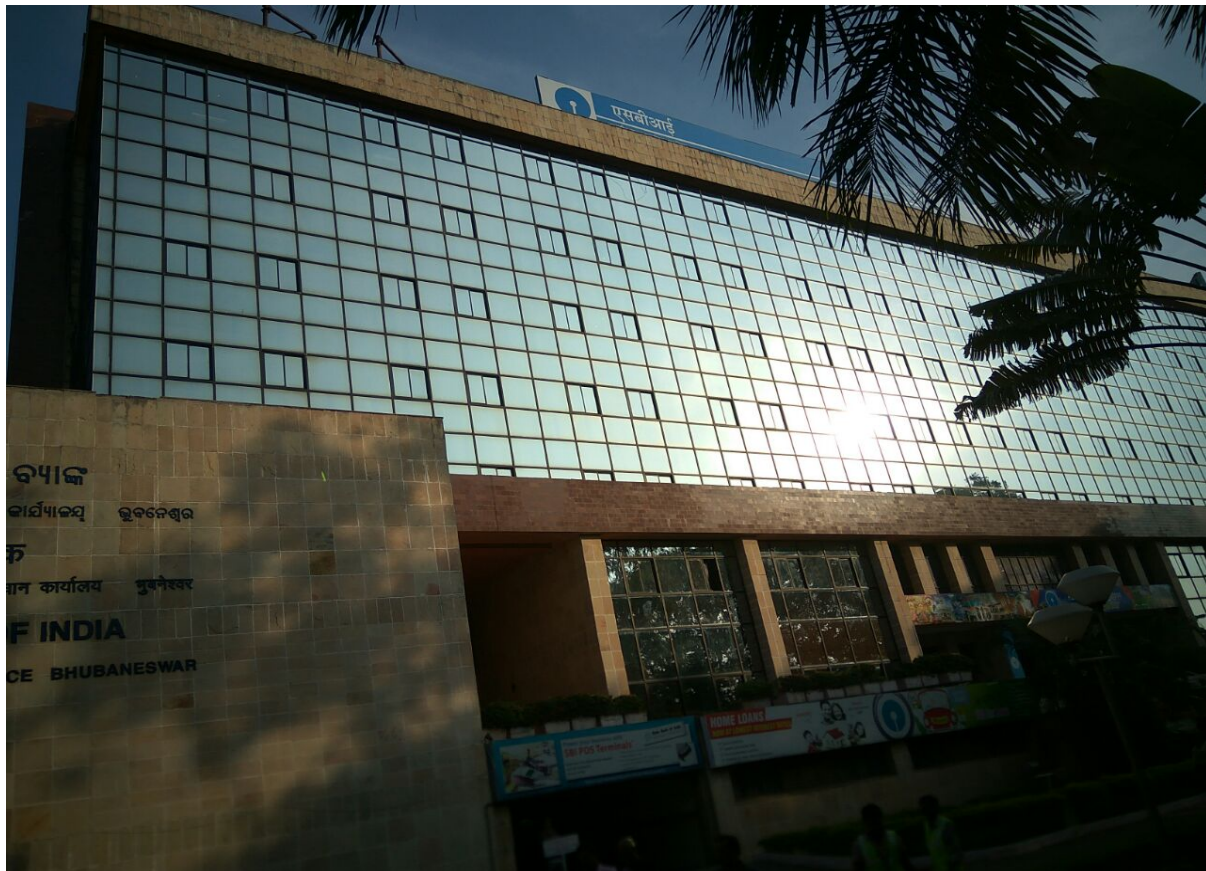




UJALA-LED IMPLEMENTATION IN SBI HQ BHUBANESHWAR



State Bank of India

Local Head Office

Bhubaneswar, Odisha 751001

1. EXECUTIVE SUMMARY

Hon'ble Prime Minister, on 5th January, 2015 launched National **UJALA** LED Programmes, which is formerly known as **Domestic Efficient Lighting Programme (DELP)** to provide LED bulbs to all electricity consumers aiming to replace 77 crore incandescent bulbs with LED bulbs. Under this program more than 18 crore LED has been successfully distributed among several states of India. This will result in annual electricity saving of about 109 billion units and 21,500 MW reduction in demand and GHG emission reduction of 85 million ton of CO₂ along with monetary savings of Rs. 45,500 Crore accruing to electricity consumers. The objectives of National LED Programme are:

- Promote the use of the most efficient lighting technology at affordable rates to consumers
- Reduce energy consumption in lighting which helps DISCOMs to manage peak demand
- Enhance the awareness of consumers about the efficacy of using efficient appliances
- Increase the demand of LED lights by aggregating requirements across the country and reduce costs; in fact cost have already reduced over 80% in last 2 years.



SBI Local head office Bhubaneswar implemented UJALA-Scheme and replaced all 28 watt mirror reflecting tube light with 9 watt UJALA-LED and saved 70% electricity in lighting load.

SBI Report

About State Bank of India

State Bank of India (SBI) is an Indian multinational, public sector banking and financial services company. It is a government-owned corporation with its headquarters in Mumbai, Maharashtra. As of 2014-15 more than 14,000 branches, including 191 foreign offices spread across 36 countries, making it the largest banking and financial services company in India by assets. The company is ranked 232nd on the Fortune Global 500 list of the world's biggest corporations as of 2016.



SBI Local Head Office Bhubaneswar

The bank is situated at Pt. Jawaharlal Nehru Marg, the bank is having 7th floors. Total connected load of the bank is 1046 kW. Competent authority of SBI Mr.B.Venugopal Reddy,(CGM Bhubaneswar Circle) taken a great initiative to make their building energy efficient and replaced all inefficient light with energy efficient 9 watt UJALA-LED.

Salient Observation of SBI.

- The Bank is having 7 floor with carpet area 19200. Sqft.
- 425 numbers of employee's works in SBI Bhubaneswar.
- Standard Hour of Operation 8:30 AM to 9 PM.
- Difference observed in energy bill after implementation of LED is Rs.236884.



SBI Report

Energy saved by SBI Bhubaneswar

Load Description	kW
Old Lighting Load	31.5
New Lighting Load after implementing LED	9.45
Avoid Peak Load	22.05
Reduction in Load	70%

SBI Bhubaneswar reduced 70% load in their lighting load.

Energy Saved in terms of Money

Load Description	Lighting Load(kW)	Unit Charge	Hour of operation for 6 months(12*22days*6month)	Energy Bill for 6 months
Old Lighting Load	31.5	5.4	1728	293932.80
New Lighting Load	9.45	5.4	1728	88179.84
Saving	22.05	5.4	1728	205752.96

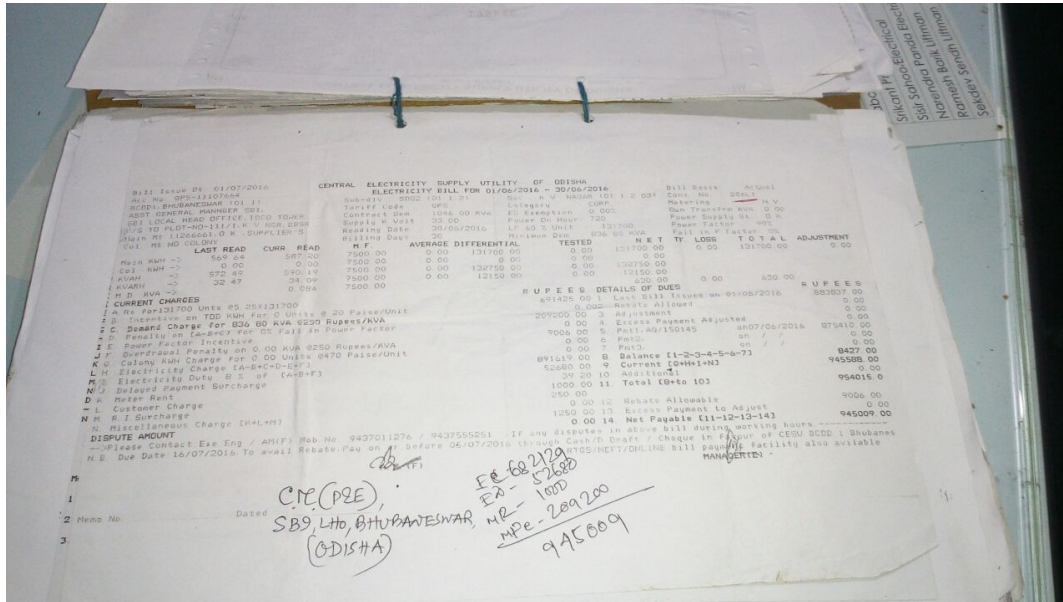
****Bank Saved Rs.205725.96 in their lighting load in last 6 month only.**



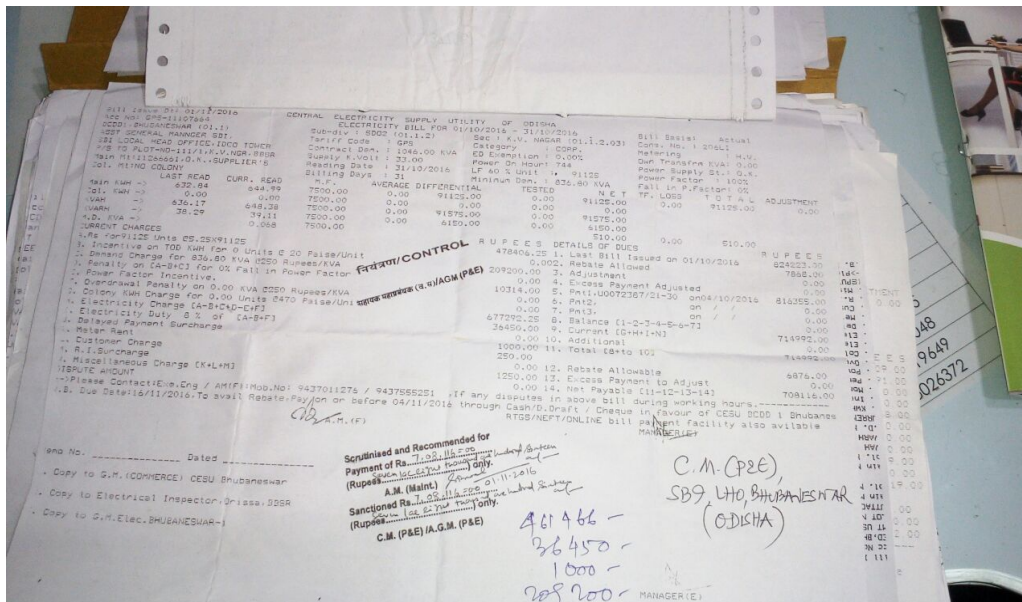
SBI Report

Annexure (Energy Bill of SBI BBSR)

Electricity bill for the month of JULY 2016



Electricity bill for the month of October 2016



Difference of overall Energy bill is Rs.236893.