

ENERGY CONSERVATION
SCHEMES
UNDERTAKEN BY
NATIONAL STOCK EXCHANGE OF INDIA
LIMITED

Basic Concept

**“Efficient use of available energy
and Optimum utilization of natural
resources”**

Demand Power Of The Building - Before Energy Conservation Schemes

- Sanctioned Demand : 4330 KVA
- Contract Demand : 2500 KVA
- Highest Billed Demand : 2300 KVA

Break up of Peak Demand Load

- HVAC -Air-conditioning Chiller Plant : 30 %
 - Data Centre (Server Load) : 20 %
 - AHU (Various Floors) : 16 %
 - Precision AC (Data Centre) : 10 %
 - Lighting : 10 %
 - Work Stations : 10 %
 - Misc. : 04 %
- (Total : 100 %)

Some Of 'Energy Conservation Measures' Taken by NSEIL

1) **General Awareness –**

Following requests are being made to staffs regularly:

- Switching off the lights while coming out of the meeting rooms, cabins, etc.
- Switching off PC Monitors / printers/ etc, while leaving for the day / for long meetings / lunch time etc.
- Using staircase, wherever possible instead of using lifts to the immediate floors.

Some Of 'Energy Conservation Measures' Taken by NSEIL

2) **Lighting System –**

- Energy efficient luminaries
- Electronic Ballast
- Alternate Lighting Circuits
- Incorporated Lighting Transformers

Some Of 'Energy Conservation Measures' Taken by NSEIL

3) HVAC System –

- AHU's are being operated / regulated through BMS System very precisely.
- Incorporated 'Thermal Energy Storage System'.
- During day hours office area gets cooled through 'Thermal Energy Storage System'.
- Chillers are being used at night to charge 'Thermal Energy Storage System'.

Post Energy Conservation Schemes - Present Demand Power of Building

- Sanctioned Demand : 4330 KVA
- Contract Demand : 2000 KVA
- Highest Billed Demand : 1800 KVA
- Average Demand Saved : 500 KVA per Month
(i.e. 6000 KVA per Year)

ENERGY IS LIFE
JOIN HANDS
IN CONSERVING IT

- THANKING YOU -