CHAPTER- 5 ENERGY

Power sector reforms and unbundling of Delhi Vidyut Board in 2002 has reduced the aggregate transmission and distribution losses from 52% to about 13%. Prior to 2002, Delhi saw extensive power cuts and generation, transmission and distribution sector of Delhi was not in a healthy state. Load Shedding successfully retained to only 0.15% of the total consumption providing relief to the people of Delhi.

Delhi's highest ever peak power demand of 6,199 MW was recorded on 20th May 2016 and may breach the 6,200 MW mark this year. The load growth pattern of Delhi was of the order of 6.32% during the years 2009 to 2015. The load demand in the capital is estimated to grow approximately @ 7% per annum. The per capita consumption of electricity of Delhi is much higher than the national average. Government prepared a proposal for islanding of Delhi, which was approved by Government of India. The project is under implementation.

On the generation side, Pragati Power Station of 330MW was commissioned in a record period of 2 years in 2003. The performance of this plant is among the best power plants of the country. The first phase of Bawana Pragati-III Power Plant with a capacity of 750 MW was commissioned in 2010-11. The second phase of this 1500 MW plant is also commissioned in 2013-14. Pragati-III Power Station at Bawana is now available fully for commercial operation. However, there are issues with the supply of requisite quantum of gas for this power plant, which has been taken up with Ministry of Petroleum & Natural Gas.

The year wise position of Approved Plan Outlay, Revised Plan Outlay and Expenditure under this sector is as under:

[₹ in crore]

S. No.	Year	Plan Outlay	Revised Plan Outlay	Ехр.
1.	2007-08	1250.00	1263.13	1256.75
2.	2008-09	1015.65	585.75	567.08
3.	2009-10	461.00	10.00	3.39
4.	2010-11	110.80	256.00	250.84
5.	2011-12	1576.00	1842.36	1833.26
6.	2012-13	859.61	1275.00	1271.61
7.	2013-14	513.00	326.00	325.99
8.	2014-15	675.00	634.00	581.26
9.	2015-16	645.00	255.00	235.52
10.	2016-17	386.00		

A. GENCO (₹7600.00 lakh – Total):-

1. <u>1500 MW Gas Based Combined Cycle Pragati-III Power Plant at</u> Bawana:-

Plan Outlay: ₹ 7000 lakh (Loan)

There are two modules of 750MW each. Each module comprises of 2 Gas Turbines (GTs) of about 250MW each and 1 Steam Turbine Generator (STG). The power plant needs 2.8 mmscmd of gas to generate 750 MW of electricity.

Pragati-III Power Station of 1371.20 MW (nominal capacity) is fully commissioned for commercial operation and availability of 95.69% achieved. Delhi will be getting 70% of power generation from this project (10% each to Haryana & Punjab and 10% Merchant Power).

Cost of the Project:-

The Cabinet vide decision No.1412 dated 02.06.2008 accorded approval for the total approved project cost of the plant of ₹5195.81 crore and funding of 30% of the project cost as equity amounting to ₹1558.74 crore (100% equity share of Delhi Government already released).

₹70 crore is allocated as loan for Pragati- III Plant at Bawana towards project cost which includes release of Retention Liabilities on completion and performance to BHEL.

Present status of the project:-

- Zero Date 30.04.2008
- Original Schedule 2010
- GT-1 synchronized on 11th October 2010
- GT-2 synchronized on 09th February 2011
- GT-1 declared for Commercial Operation on 27.12.2011
- GT-2 achieve full load on 17.02.2011
- GT-2 declared COD on 16.07.2012
- STG-1 Synchronized on 03.10.2011
- STG-1 declared COD on 14.12.2012
- GT-3 achieved full load on 27.06.2012
- GT-3 declared COD on 28.10.2013
- GT-4 achieved full load on 07.05.2013
- GT-4 declared COD on 27.02.2014
- STG-2 declared COD on 27.03.2014
- 1371.2 MW Pragati-III Power Station is now available fully for commercial operation

2. <u>1500 MW coal based Indira Gandhi Super Thermal Power Plant at Jhajjar:-</u>

Plan Outlay: ₹ 500 lakh (Equity)

Aims and Objectives of the Scheme:-

Govt. of NCT of Delhi signed a MOU with Haryana Govt. and NTPC Limited for setting up of a 1500 MW coal based power project in District Jhajjhar of Haryana by Aravali Power Co. Pvt. Ltd. (APCPL), a JV Co. of IPGCL, HPGCL & NTPC. This project is executed by M/s NTPC Limited and the power generated is shared equally by Delhi and Haryana states. There are 3 units of 500MW each. The Power Station is fully commissioned for commercial operation.

Present status of the project:-

- Date of EFC / Cabinet Approval: 31-05-2007 & GNCTD Cabinet approval on 16-10-2006
- Year of Commencement: 2007-08
- First unit has been synchronized with the system on 10th October 2010 and commercial operation started on 5th March 2011
- Second unit commissioned on 20th Oct. 2011 and achieved a full load on 05.11.11. Its commercial operation started on 21st April 2012
- Third unit declared for commercial operation on 26th April 2013

Cost of the Project:-

- i. The Project Cost shared between NTPC, Haryana Govt. and Delhi Govt. in the ratio of 50:25:25
- ii. Project Cost: ₹ 8587.97 crore, approved by cabinet vide decision no. 1986 dated 11.2.2013
- iii. GNCTD has already infused its 100% equity contribution of ₹ 645 crore.
- iv. IPGCL/PPCL informed that the project cost now revised to ₹ 10131.82 crore including additional capitalization in line with CERC regulations upto cutoff date, i.e. 31.3.2016. However, the proposed revised project cost of ₹10131.82 crore is yet to be approved by the Competent Authority/Cabinet.
- v. As a result, share of equity of GNCTD is to be enhanced from ₹ 645 crore to ₹759.88 crore.
- vi. Provision of ₹ 5 crore has been made in Annual Plan 2016-17 for part funding of balance equity due to revised project cost.

3. <u>Development of Coal Block:-</u>

Plan Outlay: ₹ 100 lakh (Capital)

Aims and Objectives of the Scheme:-

To develop coal mine for fuel security and set up Coal Based Power Plant at Pit-head or elsewhere to meet the demand of power in Delhi.

Present status of the project:-

- The earlier allocated coal block at Mara II Mahan in District Singraulli to the Govt. of Delhi and HPGCL has been cancelled after Hon'ble Supreme Court Order / Decision on 24.9.2014.
- Token budget provision has been made in anticipation of fresh allocation of a new coal block.

B. <u>TRANSCO (</u>₹23600.00 lakh – Total):-

1. Augmentation of 400/220 KV Transmission & Transformation Works:-

Plan Outlay: ₹ 15600 lakh (Loan)

Delhi Transco Limited (DTL) is the State Transmission Utility of the National Capital Territory of Delhi. It is responsible for transmission of power at 220KV and 400KV level, besides up gradation operation and maintenance of EHV Network as per system requirements. After the enactment of Electricity Act 2003, a new department: State Load Despatch Centre (SLDC) under Delhi Transco Limited was created, as an Apex body to ensure integrated operation of the power system in Delhi. SLDC is responsible for the real time Load Despatch function, O&M of SCADA System and Energy Accounting. It's mission is to facilitate intra and inter state transfer of power with Reliability, Security and Economy on sound commercial principles.

At present Delhi Transco Limited has power transmission network consisting of four number of 400 KV and thirty six number of 220 KV sub-stations and associated with transmission lines. DTL is having 400 kV transmission lines of 249 ckt. KM and 220 kV lines of 756 ckt. KM, transformation capacity of 8200 MVA at 400kV level and 10880 MVA at 220 kV level as on 30.9.2015. In order to meet the load requirement of power in Delhi, following Transmission Network Projects (400/220 KV) are being proposed for the Year 2016-17 for increasing and strengthening the reliability of power supply:-

<u>Details of Proposed Major Transmission Network Projects (400/220 KV) for the</u> Year 2016-17

S N	Name of the Substations / Transmission Line Projects	Capacity in MVA/Ckt. Kms.	Project Cost (₹ in crore)	Fund requirement in 2016-17 (₹ in crore)	Executing Agency	
	A. Establishment of 220kV substations					
1	220/66KV S/Stn at Papankalan-	2 x 160	75.00	36.25	PGCIL	
2	220kV/66 & 33kV GIS at R.K. Puram	2x160 + 2x100	132.53	85.00	DTL	
3	220/66kV 2x160 MVA Trf at Gopalpur alongwith 66kV GIS	2 x 160	42.67	25.00	DTL	
4	220/66KV GIS at Hamidpur	2 X 160	166.58	100.00	DTL	

S N	Name of the Substations / Transmission Line Projects	Capacity in MVA/Ckt. Kms.	Project Cost (₹ in crore)	Fund requirement in 2016-17	Executing Agency			
				(₹ in crore)				
5	220/33KV GIS at Maharani Bagh	3 x 100	100.00	70.00	DTL			
6	220/33KV GIS at Dev Nagar (Karampura)	3 x 100	83.00	29.00	PGCIL/DT L			
7	220/33kV GIS at Rajghat	3 x 100	83.00	20.00	PGCIL			
8	220/66KV GIS at Tughlakabad	2 x 160	78.00	20.00	PGCIL			
9	220/66KV Budella	2 x 160	92.00	35.00	DTL			
10	220/66KV SGTN	2 x 160	92.00	35.00	(Earlier was in			
11	220/33kV Chandrawal	3 x 100	83.00	35.00	TBCB)			
12	220/66KV Jasola	2 x 160	92.00	35.00	- ,			
13	220/33kV Mayur Vihar	2 x 160	83.00	35.00				
14	220/66KV Nehru Place	3 x 100	92.00	35.00				
	B. Estab	lishment of 220	kV new feeders	S				
1	S/C Park St–Electric Ln- Rajghat-Park St U/G line	1 x 16	98.00	63.00	PGCIL			
2	220/kV D/C Lodhi Road – Rajghat U/G line	1 x 6	45.00	22.00	PGCIL			
3	220kV D/C Kashmiri Gate – Raj Ghat O/H line	2 x 4	25.00	10.00	PGCIL			
4	LILO of Geeta Clny – Patparganj O/H line at Rajghat	2 x 4	25.00	10.00	PGCIL			
5	220kV D/C Tughlakabad to Masjid Moth transmission link	1 x 8	56.00	20.00	PGCIL			
6	LILO of 1st circuit of D/C Pragati - Sarita Vhar at 400 KV Maharni Bagh (alongwith cable capacity augmentation at both ends i.e, Pragati and Maharanibagh)	2 x 0.750	22.70	20.00	DTL			
7	LILO of D/C U/G Ridge Valley- AIIMS at RKPuram	2 x 5	64.19	30.00	DTL			
8	220kV D/C Budela– Rohini-II Transmission	2 x 16	150.00	50.00	DTL			
9	220kV D/C U/G Cable from 400/220kV Dwarka to Budella	2x9	140.00	50.00	DTL (Earlier was in			
10	220kV D/C O/H cum U/G Rajghat/Kashmere Gate to Chandrawal	2x3.5	55.00	20.00	TBCB)			
	C. Augmentation Works							
1	2x220kV bays & 5x66kV bays at SOW		10.46	10.46	DTL			
2	Polymer insulator for 220KV lines		21.93	16.93	DTL			
3	HTLS reconductoring D/C BTPS-Mehrauli-Bamnauli line		54.00	54.00	DTL			
4	Existing transmission lines and tower strengthening		20.00	14.00	DTL			
5	ERS Procurement		21.29	11.29	DTL			
6	Establishment of Central control		30.00	27.00	DTL			

	room of DTL			
7	Digital teleprotection scheme & other protection scheme	34.20	24.20	DTL
8	Misc Work w.r.t. Various 400Kv works of PGCIL due to site modification and Karampura	200.00	50.00	DTL/PGCI L
	TOTAL COST for 2016-17 (₹ in Crore)	2367.55	1098.13	

2. <u>Integrated Power Development Scheme (IPDS):-</u>

Plan Outlay: ₹ 6000 lakh (GOI Share as GIA - Capital) +

₹ 2000 lakh (State Share as Equity)

A new scheme namely "Integrated Power Development Scheme (IPDS)" has been launched (earlier known as Restructured Accelerated Power Development and Reforms Programme (R-APDRP)) by Ministry of Power, Government of India with an objective to reduce Aggregate Technical and Commercial (AT&C) losses, to establish IT-enabled energy accounting/auditing, to improve collective efficiency and improvement in billed energy based on metered consumption so as to facilitate 24x7 reliable and adequate power. It's prime objective is for strengthening of the subtransmission and distribution network and to meet the critical gap in urban areas, metering of distribution / feeders/ transformers / consumers in urban areas and provisioning of roof top solar panels.

In terms of the guidelines of IPDS and OM dated 03rd December 2014 of Ministry of Power, Govt. of India, the funding pattern is: (i) 60% grant from GOI, (ii) 30% as loan by DISCOMS & (iii) 10% as equity by DISCOMs, where DISCOM is State owned. The loan and equity component is to be funded by the State where the DISCOMs are private companies. The grant component from GOI can be further increased by 15% of the loan component of 30% subject to achievement of prescribed milestone. As per the funding mechanism mentioned in Chapter-IV of IPDS guidelines and Para 12 of the OM of M/o Power, GOI dated 03rd December 2014, the loan component of 30% for IPDS is to be provided by PFC or by other Financial Institutions / Banks.

Delhi Transco Ltd. (DTL), being the Implementing Agency, has to arrange the loan component. The assets to be created under the scheme will be owned by State Govt. / State owned Company. These assets will be handed over to the concerned DISCOMs for their use during the license period on mutually agreed terms and conditions. The responsibility of operation and maintenance of these assets would be of the DISCOMs concerned.

Power Department has proposed projects worth ₹ 425 crore to be covered under IPDS Scheme mainly for augmentation of transformation capacity, system improvement etc. of 66 KV, 33 KV, 11 KV works. Govt. of India has agreed for funding under IPDS to extend the financial assistance as "grant" to the tune of ₹ 850

crore (60% of the total cost) for addressing the gap in sub-transmission and distribution.

The balance 40% (10% as equity and 30% as loan) amount of ₹ 570 crore is to be arranged by Delhi Govt. and DTL respectively. The grant likely to be received from GOI and is to be routed through Annual Plan Budget of Govt. of NCT of Delhi.

Power Department has also proposed to appoint DTL as the Nodal Agency through which the IPDS project have to be implemented. DTL is to enter into an agreement with PFC and three Private DISCOMs for implementation of the scheme. DTL is to execute a MoU with DISCOMs to recover the part of the project cost funded from the state budget.

Three more committees are proposed to be constituted by Power Department, i.e. Distribution Reforms Committee, Oversight Committee and Project Management Agency to oversee smooth implementation of the scheme.

The project proposal under IPDS is under submission to Govt. of India for financing of distribution related works during 2016-17.

The IPDS is to be implemented by DTL in Delhi. Progress made so far:-

- Order regarding appointing DTL as Implementing Agency issued.
- Order regarding Distribution Reforms Committee issued.
- Technical Committee for examination of DISCOMs proposal constituted.
- Need Assessment Document submitted to the Nodal Agency of Central Government.
- Appointment of Project Management Agency under progress.
- Detailed Project Report (DPR) for planned scheme have been prepared and evaluated by Technical Committee and Technical Expert.
- Final DPR uploaded on IPDS website for onward submission to Monitoring Committee (MoP, GoI) after scrutiny by PFC on 27.8.2015.
- Action initiated for constitution of District Electricity Committee.
- Approval of DPRs by PFC/Ministry of Power awaited (as on 9.12.2015).

C. POWER DEPARTMENT:-

1. <u>Payment towards land premium / land acquisition for subsequent leasing to DISCOMS:-</u>

Plan Outlay: ₹ 4800 lakh (Capital)

The three Distribution Companies viz. NDPL, BRPL and BYPL have been pressing for allotment of land at concessional rate for creation of new infrastructure including Grid Stations, installation of Transformer etc. The Ministry of Urban Development, Government of India has decided followings:-

- a. DDA will allot land to Government of NCT of Delhi (GNCTD) at Zonal Variant Rates for setting up of electric sub-stations, etc. by Power Distribution Companies.
- b. GNCTD may in turn allow the Power Distribution Companies to set up electric sub-stations etc. on "right to use" basis and on such terms and conditions as GNCTD may enter into with Power Distribution Companies.
- c. The land should be put to use only for the specific purpose of setting up of electric sub-stations etc. and in no way put up to any other use or commercially exploited. This should be specified in the allotment letter by DDA.
- d. DDA will allot only the minimum required land as per norms.

Subsequently, it has been decided by the Government of Delhi that GNCTD would make payment to DDA at Zonal Variant Rate along with ground rent, as applicable. Thereafter, GNCTD would sign a license/lease agreement with the Distribution companies and would charge appropriate annual rent/ license fees from the Distribution companies. The license deed would, inter alia, involve allowing the Distribution companies to use the land on "right to use" basis and on the basis condition that the land would be used only for the purpose of expansion of the distribution network and erection of related infrastructure and not for any other work.

As the land would be initially obtained from DDA by GNCTD, initial payment has to be made by Government of Delhi.

2. Shifting of HT (11KV & 33KV) / LT (400V) Transmission Lines:-

Plan Outlay: ₹ 2000 lakh (Revenue)

This scheme was initiated for shifting of HT (11000V & 33000V) and LT (400V) Electricity Transmission Lines posing threat to human lives. A decision was taken by the Council of Ministers vide cabinet decision no. 1310 dated 20.11.2007 to shift such lines where it poses danger to human life and property. Financing of the shifting cost in case of various categories of affected persons/institutions/colonies/farmhouses etc. was issued by Power Department vide its letter dated 27.11.2009 after Cabinet Decision No. 1588 dated 9.11.2009.

3. Renewable Energy:-

Plan Outlay: ₹ 500 lakh (Capital)

The Energy Efficiency and Renewal Energy Management Centre (EE&REMC), which got transferred from Environment Department to Power Department from 2015-16 onwards, is the State Nodal Agency which has proposed

for perspective plan for Renewable Energy Generation from Solar and Non-Solar sources.

EE&REMC is to work as 'State Designated Agency (SDA)' to coordinate, regulate and enforce Energy Conservation Act, 2001 in Delhi in association with Bureau of Energy Efficiency (BEE). The Centre, as a 'State Nodal Agency (SNA)', has to implement new and renewable energy projects in the city of Delhi in association with Ministry of New & Renewable Energy (MNRE), Govt. of India. The Centre is responsible for implementation of Energy Conservation Building Code, creating awareness and disseminating information for efficient use of energy and its conservation, development of solar power and other renewable energy projects, monitoring the achievements of Renewable Purchase Obligations (RPO), creating awareness about the benefits of solar power through electronic media, print media, conducting workshops and training programmes, exhibitions, seminars and conferences.

As per Delhi Electricity Regulatory Commission (DERC) orders in line with the amended National Tariff Policy issued by the Govt. of India on 22.01.2011, all Distribution Companies have to purchase power from renewable sources upto 0.6% of their total consumptions in 2015-16 and upto 9% in the year 2016-17. At present (as on 31.3.2016) Delhi has 25.5 MW grid connected Installed Capacity of Renewable Power.

SOLAR

EE&REMC has prepared comprehensive Rooftop Solar Policy for Delhi and intends to encourage institutions and individuals to harness solar energy and make best use of it. As per the study conducted by Power Grid Corporation of India (PGCIL) the potential of rooftop solar PV Plants in Delhi is around 2200 MWp. Delhi presently have 7 MW of installed capacity of solar power. It is proposed to augment the capacity of Solar Power to 35 MWp in the current financial year by EE&REMC, NDMC and Delhi Metro Rail Corporation.

NON-SOLAR

Delhi has also made good progress in other feasible modes of Renewable Energy. Disposal of Municipal Solid Waste is very challenging issue. In order to overcome this problem Waste to Energy Plants are being set-up at various locations in Delhi to generate electricity.

With two Waste-to-Energy plants at Timarpur-Okhla & Ghazipur already functioning and a third at Narela-Bawana expected to be commissioned this year, Delhi will have the capacity to use up almost half of the garbage that is generated daily. The three municipal corporations, the New Delhi Municipal Council and the Delhi Cantonment Board send 8,370 tons of garbage to the three landfills at Bhalswa, Okhla and Ghazipur.

Renewable Energy Generation Capacity Perspective Plan Estimates						
SN	Year	Source and Capacity in MW		Total Capacity Targeted in MW		
		Solar	Non Solar	(Cumulative)		
1	2015-16	7	18.5	25.5		
2	2016-17	35 (7+28)	52 (18.5+33.5)	87		
3	2017-18	119 (35+84)	52	171		
4	2018-19	312 (119+193)	52	364		
5	2019-20	606 (312+294)	52	658		
6	2020-21	991 (606+385)	52	1043		
7	2021-22	1275 (991+284)	52	1327		
	Total	1275	52	1327		

PROGRESS:-

- Net Metering Regulations and Guidelines are in place.
- A comprehensive draft Rooftop Solar Policy has been prepared by EE&REMC.
- Govt. of India approved for installation of Grid Connected Rooftop Projects in NCT of Delhi.
- DERC, in order to facilitate installation of Grid Connected SPV Power Plants, has issued the Net Metering Regulations and Guidelines in 2014.
- All the grid connected solar projects have contributed to nearly 7 MW of power in Delhi till August 2015 generating around 2.34 MUs.
- Installation of Solar Photovoltaic Power (SPV) Plant of another 1MW at Indraprastha Power Stations in progress and to be commissioned in 2016. The total capacity of the plant will be 2MW.
- Installation of Solar Photovoltaic Power (SPV) Plant on 22 nos. Govt. Schools with a total capacity of 650 kWp at a total project cost of ₹ 7.03 crore (including MNRE, Gol subsidy of ₹ 2.11 crore) in progress. Year of Commencement: 2015-16 and Date of Completion: 2016-17.
- Installation of Solar Photovoltaic Power (SPV) Plant of 325 kWp capacity at NSIT, Dwarka in progress and to be commissioned in 2016.
- Installation of Solar Photovoltaic Power (SPV) Plant of 403 kWp capacity at DTU, Shahbad-Daulatpur in progress and to be commissioned in 2016.
- Installation of Solar Photovoltaic Power (SPV) Plant on rooftop of GTPS Bawana with a total capacity of 362.5 kWp at a total project cost of ₹ 2.28 crore in progress. Year of Commencement: 2015-16 and Date of Completion: 2016-17.
- It is proposed to develop New Delhi Municipal Council (NDMC) area as Solar City by installing SPV panels on rooftop of Govt. buildings, Metro Stations, Bus Stops, etc.
- Solar Photo Voltaic (SPV) Power Plant of 2.14 MWp at Indira Gandhi International Airport has been successfully installed and commissioned.

- Solar Photo Voltaic (SPV) Power Plant of 1.5 MWp at Yamuna Bank Depot has been installed and commissioned by Delhi Metro Rail Corporation.
- A 500 Kg and 50 Kg per day capacity of Biogas plant utilizing kitchen waste are operational at Delhi Secretariat and Delhi Technical University respectively.
- A 16 MW Waste-to-Energy Plant, largest integrated waste management plant with a capacity to dispose and process 2000 tons garbage per day, is operation since 2012 at Timarpur-Okhla.
- A 12 MW Waste-to-Energy Plant for utilizing 1300 tons of municipal solid waste to generate electricity is under operation at Ghazipur (East Delhi).
- A 24 MW Waste-to-Energy Plant for utilizing municipal solid waste to generate electricity is under progress at Narela-Bawana. Once commissioned, it will be the biggest such plant in Delhi, using 1300 tons of waste per day to produce 24 MW of power.

4. State Energy Conservation Fund (SECF):-

Plan Outlay: ₹ 100 lakh (Capital)

Clause 16 (1) of the Energy Conservation Act 2001 requires State Govt. / UTs to constitute a fund called SECF for the purpose of promotion of efficient use of energy and its conservation within the State. A scheme titled Contribution to SECF was approved by the Govt. of India. As per the scheme, the contribution under SECF is made to those State Govt. / UT who have notified their SECF and finalized the rules and regulations to operationalize the same. The scheme is for contribution to all the States / UTs with a maximum ceiling of \ref{theta} 4 crore for any State / UT to be provided in two installments of \ref{theta} 2 crore each. The second installment towards SECF is released only after the State have provided a matching contribution to the first installment of \ref{theta} 2 crore.

In order to avail the full benefit of this central scheme to the tune of ₹ 4 crore, an State Energy Conservation Fund is created in the current financial year amounting to ₹ 1 crore to finance the Energy Efficient Projects and Street Lighting etc.

This fund can be utilized for implementation of energy efficiency projects in public building including central govt., state govt. and central or state govt. undertakings/agencies' buildings, energy efficiency street lighting or common area lighting projects, energy efficiency projects in public drinking water pumping stations, etc. This will not only reduce the recurring expenditure of Govt. but will also help in conservation of electricity thereby reducing the load on the system and consumption during peaks.