

ENERGY

A. GENCO

1. **Name of the Scheme - R & M works of RPH [Rs.500 lakh]**

Aims and Objectives

Rajghat Power House has two units of 67.5 MW capacity each. These units were commissioned in the year 1989. Technologies used in these machines have become obsolete and their spare parts are not available. It is therefore proposed to renovate and modernize the equipments /systems with the latest technology. After implementation of the proposed R & M Schemes, following aims will be achieved:

- To improve plant load factor and increase life of plant.
- To minimize forced outages.
- To improve heat rate and efficiency of the plant.
- To attains 90% availability of plant on annual basis.

An outlay of Rs.5 Crore is proposed for this scheme in 2009-10.

2. **Name of the Scheme - R & M of CCGT [Rs.400 lakh]**

Aims and Objectives

6 X 30 MW GTPS was commissioned in 1986 to operate on liquid fuel during peak hours only. Since the installation of these machines the gas turbine technology has undergone a sea change and there is a lot of improvement in metallurgy and design of various components. With the innovation and new design concepts the efficiency and heat rate have also improved. It is proposed to replace the obsolete technology equipments and components with the latest technology equipments and components After implementation of the proposed R & M Schemes, following are aimed to be achieved:

- The units are brought back to their rated capacity & The plant load factor improves and life of plant is extended
- The forced outages are minimized.
- The heat rate of the plant is improved to attains 90% availability on annual basis.

An outlay of Rs.4 Crore is proposed for this scheme in 2009-10.

3. Name of the Scheme - 1500 MW Coal based power project- Jhajjar [Rs.800 crore]

Aims and Objectives

Govt. of NCT of Delhi has signed a MOU with Haryana Govt. and NTPC Limited for setting up of a 1500 MW Coal based power project in Distt. Jhajjar of Haryana. This project will be executed by M/s NTPC Limited and the power generated will be shared equally by Delhi and Haryana States.

2. Cost of the Scheme / Project. Major components and date of approval

Cost of the project (Rs.7692.00 Crore) will be shared in following manner:

Delhi 25% (Rs. 1923.00 Cr.), Haryana 25% and NTPC Ltd. 50%

30% of Rs.1923.00 Crore i.e. Rs.577 Crore will be required from the Plan Fund as equity as approved by the Cabinet on 16.10.2006.

4. Year of Commencement 2007-08

Target date of completion All efforts will be made to commission the first unit of this project before commonwealth games 2010. Remaining two units will be commissioned after a gap of six month each. Steel Fabrication commenced in August 2008. Commencement of condenser & boiler drum lifting will be completed by March 2008. Hydro testing by boiler by September 2009.

5. An amount of Rs.228.50 Crore in the form of equity was released during 2007-08. No funds was released during 2008-09. In Annual Plan 2009-10, a provision of Rs.80.00 Crore as equity has been proposed for this project.

4. Name of the Scheme Pragati Phase III - 1500 MW Gas based Power Project at Bawana (Rs.36000 lakh)

Aims and Objectives of the Scheme

To augment Delhi's own core generation capacity and increase the production of electricity a 900 MW (nominal capacity) Combined Cycle Gas based power station, named Pragati Phase –III Project is being set up at Bawana.

2. Cost of the project, Rs.5195.81 Crore. However 30% amount i.e. Rs.1559 crores as equity will be required from the plan funds.
3. Date of approval: 23.10.06
4. Year of Commencement, 2007-08
Target date of completion 2010-11
- Present status
1. PPCL placed turn key order on BHEL.
 2. Geo Technical investigation carried out.
 3. Engineering of all major equipments are in order.
 4. Completion of piling works.
- The work for power house super structure & water treatment plant & building will be completed in 2009-10.
5. Fund released
- So far the position of fund released are as under:-
1. During 10th FYP- 1.00 Crore
 2. During 2007-08- 635.50 Crore
 3. During 2008-09- 464.50 Crore
- Total 1101.00 Crore**

Installation of 1500 MW Nominal Capacity modules of Combined Cycle Gas Turbine Plant including Gas Turbines, Steam turbines and auxiliaries. An outlay of Rs.360 crore is proposed as equity for this project for 2009-10.

5. Name of the scheme 2X490 MW Plant for Dadri

Delhi will get about 760 MW from this project and the unit is due for commissioning in April 2010 and October 2010. No plan outlay has been proposed during 2009-10 against above scheme.

6. Name of the scheme Loan to GENCO / Public Utilities- (Rs.100 lakh)

An amount of Rs.100 lakh is proposed for loan to GENCO / Public Utilities in 2009-10.

II. TRANSCO

Delhi Transco Limited is the State Transmission Utility of the National Capital Territory of Delhi. It is responsible for Transmission of Power at 220 KV and 400 KV level besides upgradation, operation and maintenance of EHV network and arranging Bulk Power Supply to Distribution Licensees. DTL is continuously improving the performance and availability of the system employing technology in a cost effective manner with due social concern and operations to the satisfaction of licensees and stake holders.

The following 400 KV Projects for transmission line and associated sub-stations are proposed.

400 KV Sub-Stations

1. Maharani Bagh 8 Nos of 200 KV Bays.
2. Mundka – 400/220/66 KV Sub Stations.
3. Bawana – For evacuation of power form CCGT Pragati-III at Bawana.
4. Bamnauli – For supply power to near area of BRPL at Dwarka.
5. South East Delhi near mandi village – Preliminary work for Sub Stations.
6. East Loni Road – For evacuation of power from Dadri Power Plant.
7. I P Station – Preliminary work for Sub Stations.

400 KV Lines

1. Bawana – Bamnauli at Mundka.
2. Maharani Bagh to I P Station.
3. Bamnauli – Ballabgarh to South East Delhi (Near Mandi Village).

220 KV Work

The 220 KV work at various place has been proposed to provide feed to DMRC and NDMC, increase in loads requirement, preliminary works of sub stations for power supply to area covered under BYPL, NDPL and BRPL.

Transco may arrange loan for these schemes from Power Finance Corporation of India or other financial institutions in 2009-10.

III. POWER DEPARTMENT

1. Payment towards land premium/land acquisition for subsequent leasing to Discoms (Rs.1000 lakh)

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 have decided as follows:-

- 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 in the Government of Delhi that GNCTD would make payment to DDA at Zonal Variant Rate alongwith ground rent, as applicable. Thereafter, GNCTD would sign a licence/lease agreement with the Distribution companies and would charge appropriate annual rent/ licence fees from the Distribution companies. The licence 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. 14.5 hectares of land for 750 MW Power Plant at Bamnauli has already been purchased from DDA. Payment of Rs.109 crore has already been made to DDA for this land during 2007-08.

As the land would be initially obtained from DDA by GNCTD, initial payment has to be made by Government of Delhi. A provision of Rs.1000 lakh is proposed for 2009-10 for this scheme.

2. Establishment of special courts (Rs.100 lakh)

To curb the theft of Electricity, certain new provisions have been made in the Electricity Act, 2003. One such provision in this direction is made under Section 153 of the Electricity Act 2003, which provides for the constitution of Special Courts by the State Governments for the purposes of providing speedy trial of offences referred to in Section 135 to 139 of the said Act.

The sites for establishment of 5 Special Courts have been identified at Rohini, Vikas Puri, Wazirpur, Malviya Nagar and Patparganj. The sites have been inspected by the panel of officials, Registrar General (Admn.) and panel of Judges has approved its building plan. The buildings are being renovated, expenses of which would be incurred by Government of NCT of Delhi. As regards appointment of dedicated judiciary & allied staff for the Special Courts, it is informed that 45 posts (5 posts of judiciary cadre and 20 ancillary post) have already been sanctioned. The capital cost already borne by the Discom on creation of infrastructure of Special Court is to be submitted by Discom duly certified by their Auditors for the reimbursement by Power Department in consultation with PWD. An amount of Rs.100 lakh is proposed for 2009-10 for the scheme.