

Neyveli Second Thermal Power Station Tamil Nadu

Thermal Power Station II, an integrated unit of N.L.C Ltd., is the backbone of the company. With an annual turnover of more than Rs1000 crores, TPS II caters to the requirements of the southern states of the country. The 1470 MW TPS II consists of 7 sets of 210 MW each. In February 1978, Government of India sanctioned the TPS II of 630 MW capacity (3 X 210 MW) and in Feb.'83, Government of India sanctioned the TPS II Expansion from 630 MW to 1470 MW with addition of 4 units of 210 MW each. The first 210 MW unit was synchronised in March 1986 and the last unit (Unit-VII) was synchronised in June'93. The units use low calorific value/ high moisture content lignite as primary fuel, received from NLC owned open cast mine, on one-to-one basis .

SALIENT FEATURES OF TS-II

First lignite fired station with 210MW units.
Station turnover of above Rs.1000 Crore for many years
Station with ISO 9001& 14001 certifications
Station with highly skilled ,dedicated and motivated employees.
Several steps towards energy conservation and cost control.

Attaching utmost importance to environment,with implementation of schemes, on a continous basis, towards eco friendly safety measures.

Proud of fine tuning operations under ABT with maximum benefit to the company.

Innovative and user friendly applications in the area of computerisation.

Vision Of NLC : To Emerge as a leading Mining and Power Company, Continue to be a socially responsible company and strive for operational excellence in Mining and Exploration

Mission Of NLC :

Strive towards greater cost competitiveness and work towards continued financial strength.

Continually imbibe best practices from the best Indian and International Organizations engaged in Power Generation and Mining.

Be a preferred employer by offering attractive avenues of career growth and excellent work environment and by developing human resources to match international standards.

Play an active role in society and be sensitive to emerging environmental issues

Profile contd.

Achievements:

With low calorific value lignite (quality widely varying) having high propensity for severe slagging, TPS II logs a plant load factor of about 75% .

Rewards for excellent performance from CEA/MOP for meritorious performance / low specific oil consumption

Environmental Management:

Tall chimneys

Dust suppression systems in lignite handling system

Well maintained high efficiency ESPs

Water conservation measures - Recycling of Ash water, Reuse of plant effluent

Development of greenery

Social Activities:

Supply of drinking water to nearby villages

Clear water overflow from ash ponds being used for irrigation.

Improvement works in nearby villages like laying of roads, construction of foot bridges etc.,

