



Parshvanath Charitable Trust's

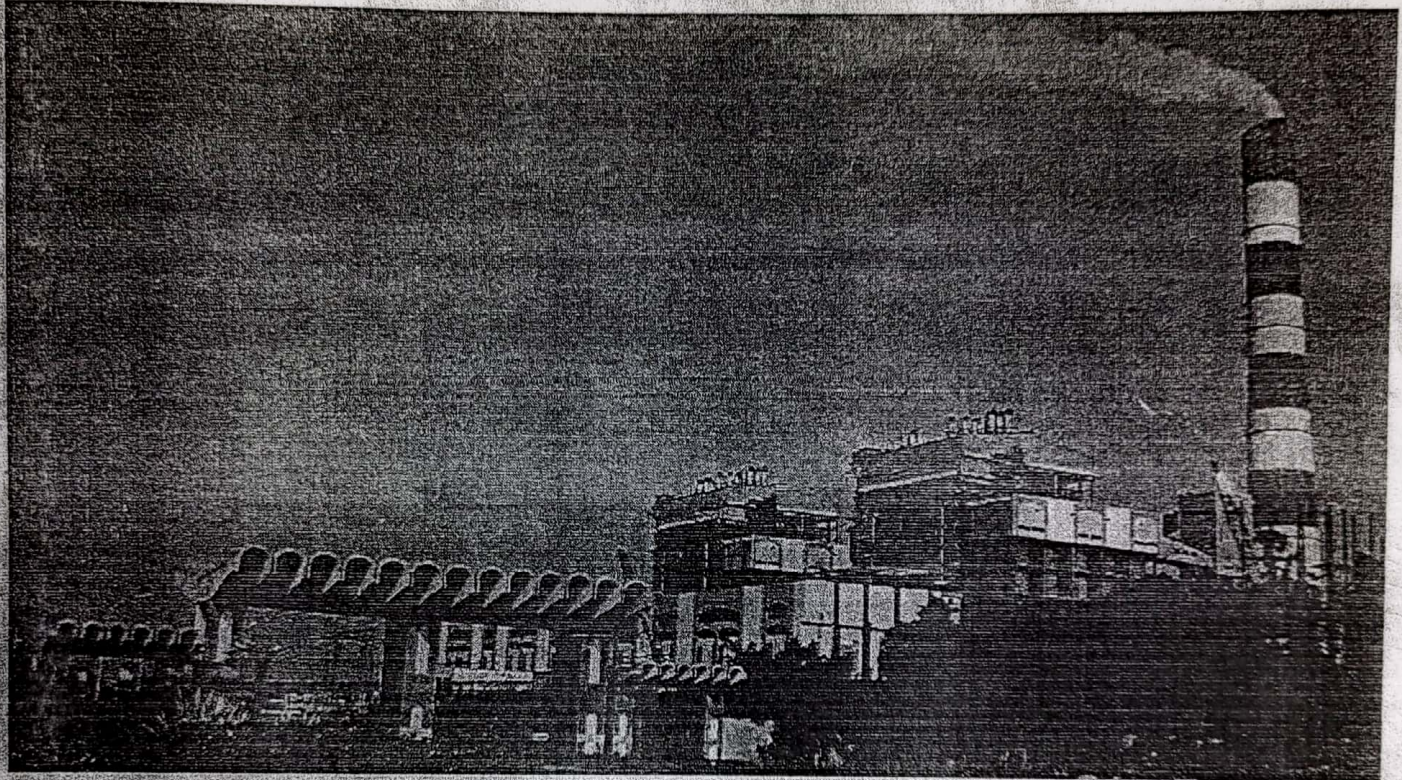
**A. P. SHAH INSTITUTE OF TECHNOLOGY**



Dept. of Mechanical engineering

Academic year 2018-2019

One day visit to Nashik Thermal Power Station



Mechanical Engineering department had organized one day Industrial Visit to Nashik Thermal Power Station at Nashik on 21st of September 2018 for Final Year (BE) students under coordination of Prof. Jackson Anthony

The aim of the industrial visit was to have a very good exposure for the students To have practical and industrial knowledge as Nashik Thermal Power Station (NTPS) has a total generation capacity of 630 MW power having 3 units of 210 MW power, the plant is one of the oldest in the state and has reached its estimated period of life and hence now totally runs on running cost with all the plant cost already recovered.

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23/9/18

rotate the turbine and the resultant is rotational energy. From the HPT the out coming steam is taken to the Reheater in the boiler to increase its temperature as the steam becomes wet at the HPT outlet. After reheating this steam is taken to the Intermediate Pressure Turbine (IPT) and then to the Low Pressure Turbine (LPT). The outlet of the LPT is sent to the condenser for condensing back to water by a cooling water system. This condensed water is collected in the Hotwell and is again sent to the boiler in a closed cycle. The rotational energy imparted to the turbine by high pressure steam is converted to electrical energy in the Generator.