

VISIT TO THERMAL POWER PLANT

Place visited : NTPC, Jharial (Jhajjhar), Haryana
Date of visit : 02 May, 2014
Class involved : Science stream of class XI
Conducted by : ITL Public School Authorities

Students had a great privilege of visiting a thermal power plant, on 02 May, 2014 operated by Indian Government – NTPC situated at Jharial, Haryana. The trip was organized to actually see science in action involving the principles of physics and chemistry to generate thermal electricity, which otherwise is only a topic in textbooks, merely read and supported by lame pictures. The power plant at present can produce a maximum supply of 1500 MW. In current state it was producing around 752MW only. The whole setup was divided in to three units out of which only two units were being used to produce electricity. Students visited the coal quarry, boilers and conveyers along with a local person explaining each and every step. Followed by this, students were divided into groups of two for visit to the control room, where they saw the working of the whole station.



Fuel pipes for ignition of the coal



condenser units to convert used steam to water.



Coal quarry and transportation.

