

Gramgeeta Mahavidyalaya, Chimur

Arts, Commerce and Science (Granted)

Dist. Chandrapur (M.S.) 442903

One Day tour to Chandrapur Super Thermal Power Station

One-day tour was organised by the Dept. of Environmental Science on dated 18.03.2019 to Chandrapur Super Thermal Power Station (CSTPS), Chandrapur under the guidance of Prof. Jija P. Shende and Prof. Varada Khati. Total 20 nos. of students were visited the CSTPS. The visiting team reached the plant at 1.00 pm and complete the security formalities.

Then team met with Chemist Ms. Dafade Madam. She gives overall idea about the CSTPS plant regarding capacity, raw material, ETP, STP and Stack. Students note down the information provided by madam. CSTPS is thermal power plant located in Chandrapur District in the Indian state of Maharashtra and it is run by MAHAGENCO. The plant is coal based power plant and coal is supplied from the Durgapur and Padmapur Collieries of Western Coalfields Limited and Mahandi Coalfields Limited.

Later students visited plant Unit No.7 and got the experience of computer based plant control room. After that students sees the Effluent Treatment Plant (ETP), Sewage Treatment Plant (STP) and Electrostatics Precipitator (ESP) attached to stacks. Students also visited the in-house laboratory of CSTPS.

There are total 7 units out of which 4 units of capacity 500 MW (500×4) and 2 units of 210 MW (210×2). The total plant production capacity is 2910 MW. The coal is used as fuel. The plant consists of 4 ETP Units of capacity 1600 m³, 500 m³, 100 m³ and 675 m³ respectively. The ETP has conventional method of treatment i.e., Primary, Secondary and Tertiary treatment units. CSTPS also has STP of 5.7 MLD capacity. There are total 4 stacks with different height with ESP as air pollution control device.

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Students came to know about the principle and working of ETP, STP, ESP, stack monitoring technique and ambient air quality monitoring. Students gained the knowledge about the various experimental procedures related to the various parameters of ETP, STP, stack and air.

All the students were satisfied with the knowledge imparted and had a lot of fun.

Visit Photographs



SEMANA VIDYA VA VAN VIKAS PRASHIKSHAN MANDAL, GADCHIROLI

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Coordinator

Principal