

**ELECTRICAL AND ELECTRONICS ENGINEERING****EVENT REPORT**

Name of Event	Industrial visit
Date(s) of Event	15-04-2023
Type of Event	Industrial visit at AP GENCO (3*800MW), Nellatur , Muthukur, Nellore - 524344
Resource Person and Contact Details	-----
No of participants	III EEE students (27)
Organized Department	EEE
Reporter's Name and Contact Details	Mr.D.RAJESH REDDY Assistant Professor Department of EEE Narayana Engineering College, Gudur. A.P Ph:9440390725 Email:rajeshreddy238@gmail.com

1) Brief outline of key issues and challenges addressed in the event

Andhra Pradesh Power Generation Corporation Ltd (APGENCO) is undertaking the construction of a power plant in Andhra Pradesh, India. The project involves the construction of 800MW coal-fired power plant. It includes the construction of a powerhouse, a substation, water cooling units, and the installation of generators, boilers, turbines and transformers. Vimta Labs Ltd has been appointed as environmental consultant. On Sep 26, 2012, APGENCO submitted the feasibility report, a detailed project report, and the project implementation status to the Ministry of Environment and Forests (MoEF). The project is being financed by Rural Electrification Corporation and the Power Finance Corporation. On August 28, 2015, APGENCO invited tenders from the contractors for Design, Engineering, Manufacture, Assembling, Testing at works, Supply, Civil, Structural & Architectural works, transit insurance, comprehensive insurance, Erection, Testing, & Commissioning of Balance of Plant (BOP) including Civil works on Total EPC basis, with a submission due date of October 15, 2015. TATA Projects Ltd has been appointed as Balance of Payment (BOP) contractor. In November 2015, Bharat Heavy Electricals Ltd (BHEL) was appointed as boilers, turbines, and generator (BTG) contractor. In November 2016, J.K. Constructions was appointed to undertake the construction of Storage Yard, mess building & site enabling civil works; and S.V. Infratech Engineers Pvt Ltd for material handling and management. In March 2017, Santosh Infra Power Pvt Ltd was appointed to handle materials at the storage yard, transportation to site, erection and Commissioning of the



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electrostatic precipitator and its auxiliaries, including supply and application of Final Painting. Construction works are underway and the plant is scheduled to be commissioned in March 2019.

2) Key messages, outcomes, recommendations

Key Points:-

The Sri Damodaram Sanjeevaiah Thermal Power Station Stage II project involves the construction of a 800MW coal-fired power plant in Nelaturu, Nellore District, Andhra Pradesh, India. The US\$842 million project includes the following:

1. Construction of a powerhouse
2. Construction of a substation
3. Construction of water cooling towers
4. Installation of boilers and turbines
5. Installation of generators
6. Installation of transformers

3) Conclusions by the Chair of the event

Being the student of Electrical & Electronics Engineering students come to know that the operation technology used for operating the boilers of the plant and how the plant is monitored with the help of software used SCADA basically which is an centralized system used to supervise a complete plant and basically consists of data accessing features and controlling processes remotely.



Incharge



HOD/EEE