

**REPORT ON**  
**INDUSTRIAL VISIT**

Place : Srisailam Right Bank Power House (SRBPH)  
Visitors : III B.Tech I Sem EEE A & B Sections  
Strength : 68  
Date(s) : 29-09-18(Morning) to 30-09-18(Evening)

**Hydropower** or **water power** is power derived from the energy of falling water or fast running water, which may be harnessed for useful purposes. Since ancient times, hydropower from many kinds of watermills has been used as a renewable energy source for irrigation and the operation of various mechanical devices, such as gristmills, sawmills, textile mills, trip hammers, dock cranes, domestic lifts, and ore mills. Since Hydro Power Generation is included as one of subjects in the course curriculum of III B.Tech, EEE, so for the benefit of the students, the visit is planned to SRBPH from 29-09-18 to 30-09-18.

**Srisailam Right Bank Power House** is located at Kurnool district across Krishna river in Andhrapradesh, India. The power plant has an installed capacity of 770 MW with 7 units in operation. It is one of the water based power plants of Andhrapradesh Power Generation Corporation Limited (APGENCO).

On 29-09-18 Morning 68 students along with 4 faculty members started their journey to SRBPH from GNITS. After lunch, around 2.00PM, students were entered into SRBPH.

**Mr. RAJA REDDY**, ADE who had helped us in getting permission, received our students and he has arranged 4 engineers for explaining various sections of power plant. The plant is a semi underground power station houses 7x110MW Francis turbine-generators. All the seven generating units were erected and commissioned during the period 1982-1987. At present few generators are running during peak load conditions due to scarcity of water in dam.


The students are divided into 2 batches and each batch is assigned with an engineer. They started their explanation starting from control room, where entire power plant is generally controlled through the super computers. Students visited various parts of plant like cross sectional view of turbine-generators, shaft, auxiliary motor driven penstock gates, DC exciter. Students also visited the large MVA transformers along with high capacity conductors used for stepping up the voltage and synchronizing to grid. The engineers clearly explained about distribution power through various feeders from the plant and clarified doubts raised by the students.

After getting practical exposure to Hydro station, the students left the plant around 5:30PM and reached to hotel in srisailam and stayed to night.

On 30-9-18 morning, students were visited temple. After breakfast, they started their journey to visit SRISAILAM dam which is constructed across the Krishna river in between Kurnool and Mahabubnagar districts, 300m height above sea level. It is 512m long and has 12 radial crest gates and has a reservoir of 616 square km. This is the source of water for SRBPH.

After their visit, they reached to hotel and had lunch. Around 1:00PM, the journey started to Hyderabad and reached to GNITS at 9:30PM on 30-09-18. With this the visit to SRBPH is successfully finished.

  
K. Krushna Murthy  
(Visit I/C)

  
Dr. N. Malla Reddy  
(HOD-EEE)

01/10/18

CC TO: 1. Principal Sir for kind information  
2. OC











ANDHRA PRADESH POWER GENERATION CORPORATION LIMITED

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From  
The Superintending Engineer,  
Operation & Maintenance Circle,  
S.R.B.P.H., APGENCO,  
Srisailam Project - 518 102.  
Kurnool - District (A.P.)

To ✓  
The Principal,  
G.Narayanamma Institute of Technology &  
Science (AUTONOMOUS), Shaikpet,  
Hyderabad - 500104,  
Telanagana.

Lr.No.SE/O&M/SRBPH/Adm/C1/F:VP/D.No. 293 /18, Dt: 22.09.2018.

Sir,

Sub:- APGENCO-SRBPH-O&M Circle- **Visit to the Srisailam Right Bank Power House Permission** - Accorded-Reg.

Ref:- Your Letter Dated 17.09.2018.

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With reference to the letter cited above, you are informed that, **B.Tech 3<sup>rd</sup> year Electrical Engineering Department students numbering about 80 members and along with 4Nos. faculty members** of your college are **permitted to visit the Srisailam Right Bank Power House on 29.09.2018.**

1. Cameras, Cell phones and Electronic items etc., are **not allowed** inside the Power House.
2. The Students & faculty members should follow the **APGENCO Engineers instructions** in Power House.
3. Damages are to be borne by your college, if any **loss/damage** occurs with the students & faculty members during the visit.
4. The Students & faculty members are advised to take all precautionary measures to avoid **any mishap** during the visit.
5. The Students & faculty members **should not use Lift** in Power House.
6. The Students & faculty members are advised to **bring their photo identity cards** while entering into the Power House.
7. The Faculty members should take care of students regarding the **Electrical equipments installed** inside the Power House and to **maintain the discipline** while in around the Power House.
8. Please note that APGENCO is **no-way responsible for any mishap/accidents** to the students & faculty members during the visit.

Permitted  
11/10/18

Yours faithfully,  
U. Kumar  
22/9/18  
Superintending Engineer,  
O&M Circle, SRBPH,  
Srisailam Project.

Copy to the Duty Officer, APGENCO Security, SRBPH, Srisailam Project is hereby instructed to **permit the above students and faculty members**, duly following Departmental procedures in vogue.

Copy to the Asst. Divisional Engineer, Shift, SRBPH, Srisailam Project for information and taking further necessary action.

APGENCO  
Srisailam  
24/9/18

# G. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE

(AUTONOMOUS)

(For Women)



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An ISO 9001 : 2015 Certified Institution



Date: 17-09-2018,  
Hyderabad.

From  
The Principal,  
GNITS,  
Hyderabad.

To  
The Superintending Engineer,  
O&M,SRBHES,APGENCO,  
Sunnipenta,Srisailam Project,  
Kurnool-518102.

Sir,

Sub: Educational Visit of Electrical Students to **Srisailam Right Bank Hydro Electric Station** – Permission –Requested.

We are proposing to take our III year Electrical students to Srisailam Right Bank Hydro Electric Station to show them the Power House and Electrical Substation. All are girl students about 80 in number and four staff will be accompanying them. Since Hydel Power Generation is included as one of subjects in their course curriculum, it will be beneficial to the students to visit.

In this connection, I request you to kindly permit the students and staff to visit the Power Station on **29-09-2018** at your convenient. Please intimate the same. I also request you to kindly arrange for the explanation of various features of Power Station by the concerned Engineers.

Thanking you,

Yours Sincerely,

*N. Madhukesh*  
17/9/18



*K. N. S. R. S. R.*  
17/9/18  
PRINCIPAL

PRINCIPAL  
G. Narayanamma Institute of  
Technology & Science (for women)  
(AUTONOMOUS)  
Shaikpet, Hyderabad - 500 104

Copy To:  
The Chief Security Officer  
O&M,SRBHES,APGENCO,  
Sunnipenta,Srisailam Project,  
Kurnool-518102.