



**J.B.INSTITUTEOFENGINEERING&TECHNOLOGY**

**UGC Autonomous**

(Accredited by NBA & NAAC, Approved by AICTE & Permanently Affiliated to JNTUH)

Bhaskar Nagar, Yenkapally (V), Moinabad (M), P.O. Himayathnagar, R.R. District, Hyderabad - 5000075.

## **Department of Electrical and Electronics Engineering**

**Report on**

### **INDUSTRIAL VISIT to “SINGUR POWER PLANT”**

**On Saturday 22<sup>th</sup> November, 2025**

#### **Venue**

**Singur Project  
Sangareddy, Hyderabad-500058**

#### **Coordinators**

1. P. SWATHI, Assistant Professor
2. A. SHIVARAMAKRISHNA, Assistant Professor

#### **Convener**

**Dr. P. Duraipandy,  
Associate Professor & HOD, EEE**

## PREAMBLE

The Department of Electrical and Electronics Engineering has conducted the Industrial Visit to “SINGUR PROJECT,Sanga reddy - Hyderabad” for the II year students of Under Graduate program.

J.B.Institute of Engineering and Technology was established in 1998, popularly known as JBIET, is a UGC approved Autonomous Institution. JBIET is a NBA and NAAC accredited Institution. The Institute has various laboratories, workshops and other support systems to provide a hands-on experience. It can boast of its well qualified and expert faculty who inculcate the best values and principles. The Institution aims at the holistic development of the Students and has a notable Placement track record. The institute also nurtures and promotes Entrepreneurship, provides end to end support in the form of funding for startups. JBIET has been ranked consistently among top Institutions in Telangana and India.

Department of Electrical and Electronics Engineering is one of the oldest departments of JBIET, started in 1998 with a team of highly experienced faculty members. Department offers one UG program (B.Tech – EEE) and one PG program (M.Tech – EPS), with a present intake of 30 UG and 18 PG students. It is accredited by NBA under Tier-I. The department organized various programs such as Faculty development programs, hands-on sessions and technical workshops to strengthen the overall development of the Students and Faculty.

An overview of the Visit is as follows:

The overall visit deals with the explanation about the following Topics:

1. Power generation
2. Types of Power plants
3. Constructional features of the Power

Plant a) Reservoir

- b) Dam
- c) Penstock
- d) Turbine
- e) Generator
- f) Transformer

4. Control room



Hyderabad, Telangana, India 

Bhaskar Nagar, Moinabad Mandal, Hyderabad, Telangana 500075, India

Lat 17.32955° Long 78.299297°

Saturday, 22/11/2025 08:50 AM GMT +05:30

# Permission Letter



## J.B. INSTITUTE OF ENGINEERING & TECHNOLOGY

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(Accredited by NBA & NAAC, Approved by AICTE & Permanently Affiliated by JNTU, Hyderabad)

Bhaskar Nagar, Yenkapally Village, Moinabad Mandal, R.R. Dist.-75. Telangana State.

Phone Nos. : 91-08413-235127, 235053, Fax : 91-08413-235753.

Website : [www.jbiet.edu.in](http://www.jbiet.edu.in) Email: [principal@jbiet.edu.in](mailto:principal@jbiet.edu.in)

Date: 18-11-2025

To

The Executive Engineer,  
Singur Dam Irrigation Division,  
Sangareddy District,  
Telangana.

Subject: Request for Permission to Conduct an Industrial Visit to Singur Dam - Reg.

Respected Sir/Madam,

Greetings from JB Institute of Engineering & Technology (JBIET).

We, are planning to organize an Industrial/Educational Visit to Singur Dam for our II Year B.Tech - EEE students.

This visit is part of our academic curriculum to provide students with practical exposure to Hydro-electric power generation concepts, Dam operation and water management, Power house functioning & protection systems, Real-time electrical equipment and safety practices.

The visit is tentatively planned on Saturday, i.e., 22-11-2025. A total of 32 students along with 2 faculty members will participate. We assure you that all students will strictly follow safety rules and instructions given by your staff.

We kindly request you to grant permission and provide the necessary support to make this industrial visit successful. Your cooperation will greatly benefit our students' technical learning.

Thanking you

Regards,

  
Principal

JBIET  
PRINCIPAL  
J.B. INSTITUTE OF  
ENGINEERING & TECHNOLOGY  
Bhaskar Nagar, Yenkapally (V), Moinabad (M)  
R. R. Dist., Hyderabad-500 075, TG

Head Office : 6-3-248/1/1A, 4th Floor, Bhaskar Plaza, Road No.1, Banjara Hills, Hyderabad - 500 034.  
Ph : 040-23301523, 23391979, Fax : 040-23304036

# Approval Letter



TELANGANA POWER GENERATION CORPORATION LIMITED  
(formerly Telangana State Power Generation Corporation Limited)  
MINI HYDEL STATIONS & SOLAR POCHAMPAD

From:  
The Superintending Engineer  
TGGENCO,  
Mini Hydel Stations,  
Pochampad- 503219,  
Nizamabad Dist.  
Mail id: [mhsppd.seom@tggenco.com](mailto:mhsppd.seom@tggenco.com)

To:  
The Principal,  
J.B. Institute of Engineering &  
Technology  
Bhaskar Nagar, Yenkapally (V),  
Moinabad(M), R.R. Dist.,  
Hyderabad.

Ltr. No. SE/MHS/PPD/ADE/T/F. No. Dkt /D.No. 1655 /25, Dt: 21.11.2025.

Sir,  
Sub:- TGGENCO - MHS Circle Pochampad - Field visit- J.B. Institute of  
Engineering & Technology, Bhaskar Nagar, Yenkapally (V), Moinabad  
(M), R.R. Dist., Hyderabad -Permission accorded- Reg.  
-000-

As per the request made by the Principal, J.B. Institute of Engineering & Technology, Bhaskar Nagar, Yenkapally (V), Moinabad (M), R.R. Dist., Hyderabad permission is hereby accorded to 34 No's students along with the faculty to visit the SHES, Singur on date 22.11.2025 with the following conditions.

- 1) The facility is extended to the students entirely at their own risk and the TGGENCO Limited in no way, be responsible for any injury or any mishap occurred during the field visit.
- 2) Any damage to the TGGENCO property on account of the students will be made good by them only.
- 3) They should follow all the safety precautions scrupulously.
- 4) The use of mobile phones & photography is strictly prohibited during the visit.

The receipt of this letter may please be acknowledged.

Superintending Engineer  
MHS / TGGENCO  
Pochampad

Copy to the Divisional Engineer/ O&M/ HPS/ Pochampad

Copy to the Asst. Divisional Engineer/O&M/SHES/Singur - directed to allow them in batch wise not exceeding 30 members in each batch.

Copy submitted to the Chief Engineer/O&M/ MHS & Solar/ Pochampad for favour of information please

# Industrial Visit Banner



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

## INDUSTRIAL VISIT-2025

# SINGUR DAM

IIInd year EEE-2024-28 BATCH

~ELEXSA

# Photos of the Visit



Fig.2: Faculty and Students at the Singur Plant



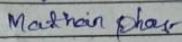
Fig.3: faculty and Students along with DRDL Staff

# Attendance Sheet

J. B. INSTITUTE OF ENGINEERING AND TECHNOLOGY

II B.Tech- I Sem EEE(A) - 2024-28 Batch - (2025-26)

INDUSTRIAL VISIT ATTENDANCE

Sl.No.	Roll No.	Name of the Student	Signature
1	24671A0201	BERI SHIVA	
2	24671A0202	CHANDYALA AKSHITH KUMAR	
3	24671A0204	ESMALOLLA MATHIN PASHA	
4	24671A0205	G SAAKEETH	
5	24671A0206	GORRENKA HARIKRISHNA	
6	24671A0207	GUNI GANESH	
7	24671A0208	HIBARE NEHA	
8	24671A0209	KODIREKKA SRUJANA	
9	24671A0210	MANCHALA KEERTHI	
10	24671A0211	MATKAM HEMANTH KUMAR	
11	24671A0212	MOHANTY THEERAN	
12	24671A0213	MOHD AMAANUDDIN	
13	24671A0214	MUTAKODURU NISHITHA	
14	24671A0215	NENAVATH ANIL	
15	24671A0216	NUNUGONDA SIRI	
16	24671A0217	VELPULA ADITHYA	
17	24671A0218	VENNAVELLY MANOGNA	
18	25675A0201	KOMAKULA SATHVIK	
19	25675A0202	KAMRE NIKHIL	
20	25675A0203	VADTHYAVATH SINDHU	
21	25675A0204	SALLA SHIVA CHAITANYA	
22	25675A0205	A HARSHITHA	
23	25675A0206	POLEPAKA PRAVALIKA	
24	25675A0207	RAMAVATH VAMSHI KRISHNA	
25	25675A0208	BORANCHALA MALIUKARJUN	
26	25675A0209	MAMIDALA BHARGAVI	
27	25675A0210	M.GEETHA	
28	25675A0211	B.PAVAN KUMAR NAIDU	
29	25675A0212	NEERUDU YASHWANTH KUMAR	
30	25675A0213	GADDAPOLLA SIDDARTHA	
31	25675A0214	MOHAMMED ADIL IRSHAD	
32	25675A0215	KANCHANI VINAY	
33	25675A0216	E MUKUNDU GOUD	