

REPORT ON
INDUSTRIAL VISIT

Place : Kothagudem Thermal Power Station (O & M), IV Stage
Visitors : II B.Tech II Sem EEE A & B Sections
Strength : 94
Date(s) : 28-02-2020(Evening) to 02-03-2020(Morning)

A **thermal power station** is a power station in which heat energy is converted to electric power. In most of the places in the world the turbine is steam-driven. Water is heated, turns into steam and spins a steam turbine which drives an electrical generator. After it passes through the turbine, the steam is condensed in a condenser and recycled to where it was heated; this is known as a Rankine cycle. Since Thermal Power Generation is included as one of subjects in the course curriculum of II B.Tech, EEE, so for the benefit of the students, the visit is planned to KTPS (O & M) IV stage from **28-02-2020 to 02-03-2020**.

Kothagudem Thermal Power Station is located at Paloncha in Telangana, India. The power plant has an installed capacity of 1,720 MW with 11 units in operation. It is one of the coal based power plants of Telangana Power Generation Corporation Limited (TSGENCO).

On 28-02-2020 evening 94 students along with 5 faculty members started their journey to Bhadrachalam from GNITS. On 29-02-2020 morning they reached to hotel in bhadrachalam. After fresh up & breakfast, the journey towards KTPS is started.

From 10AM-12PM, KINNERASANI dam visit was finished. This dam supplies the water required for KTPS. It is located 15km away from KTPS in the hilly and thick forest area. After dam visit and lunch, students were reached to KTPS.

Around 2.30PM, after security check up, students were entered into KTPS (O & M) IV stage.

Mr. Kiran Kumar, DE and Mr. Vijay Kumar, ADE who had helped us in getting permission, received our students and explained about various sections of power plant. The VII stage is having 2 units, each capacity of 60 MW with a total of 120MW. Both units are started their commissioning from 1977 and presently they are in running condition.

The students are divided into 10 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 sections of plant like coal and ash handling plant, ball mills, boiler- chimney, super and air-pre heaters, turbines and synchronous generators and switch yard. The engineers clearly explained about all sections of plant and clarified doubts raised by the students. After major sections of power plant, the students also visited cooling towers, one of the beautiful structures in the plant where the draughts are available for cooling the condensed steam.

After getting practical exposure to thermal plant, the students left the plant around 5:30PM and reached to Hotel. On 01-03-2020 morning temple is visited and in the afternoon parnashala visit is completed which is located 35 km away from bhadrachalam. After their visit, they reached to hotel and had dinner. Around 10:00PM, the journey started to Hyderabad and reached to GNITS at 6:30AM on 02-03-2020. With this the visit to KTPS is successfully finished.

Mr.K.Krusina Murthy
(Visit IC) 05/03/2020

N. Malla Reddy
Dr. N. Malla Reddy
(HOD-EEE)
5/3/20

CC To: 1. Principal Sir for kind information, 2.OC

22-01-2020

To
the principal
GNITS
Shalkpet
Hyderabad

Through the Head of the department
Sub: Permission for industrial tour (KTPS)

As a part of our curriculum to visit thermal power station we, the students of EEE-department (II year) wanted to visit Kothagudem thermal power station (KTPS) for practical exposure. We are 50 from EEE-A and 61 from EEE-B. Total members are 111.


Kindly grant us permission for the industrial visit and make the necessary arrangements for the same.

We look forward to a positive reply from your side.

Thanking you,
Yours sincerely
EEE-A and
EEE-B

Forwarded to the Principal Sir
kindly may be permitted to visit
the thermal power station as the part of
industrial visit
N.M. Mehala
22/1/20

Permitted.


23/1/2020

EEE-A CR ~~Krupa~~ To
EEE-A ICR Pag
EEE-B CR Bavica
EEE-B ICR Ullas
Mr. Kothumuri
Delivered to Mr. ICR
for N.M.
24/1/20

G. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE (AUTONOMOUS)

(For Women)



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An ISO 9001 : 2015 Certified Institution



II B.Tech EEE Students List For KTPS Visit on 29-02-2020

Sno	Roll No.	Name of the Student	Mobile No.	Sno	Roll No.	Name of the Student	Mobile No.
1	18251A0202	ERROJU SRIVIDYA	7993853216	29	18251A0241	J.srlvidya	6303297897
2	18251A0203	Palakurthy Meghana	8059174654	30	18251A0243	Kanthy raghavapeta sindhuja	8919492239
3	18251A0205	Davuluri sritha	9502390969	31	18251A0244	Priyanka kalla	7995680883
4	18251A0206	Duda vasavi krishna	6304095850	32	18251A0245	kavali.Akshatha	9381839506
5	18251A0207	Duvva Sindhu	9640619271	33	18251A0246	Kuna sindhuri	8985238030
6	18251A0208	Elkela Sai Nikhiltha	9603003372	34	18251A0247	M Navya	7569496207
7	18251A0210	Vishwana Gopalapuram	8463904790	35	18251A0248	Sneha Macha	6302904425
8	18251A0211	Hima Bindu Gujja	7569145464	36	18251A0249	Nadella geeta kalyani	9989193131
9	18251A0212	Jeripothula Meghana	6302723916	37	18251A0250	Nagpuri.Sai Sruthi Yadav	7416212030
10	18251A0213	Gaddam Sakshika Reddy	9848239642	38	18251A0251	Nikitha Ramani Vallamdasu	8790145329
11	18251A0215	Katru Rinny	8866540674	39	18251A0252	Sree Haritha P	6281985684
12	18251A0216	Lavidiya.Prasanna	7989939754	40	18251A0253	Gattu raajitha	6304154574
13	18251A0218	M.sriharshini	9381215274	41	18251A0254	Sk Karishma	6303009205
14	18251A0219	Maloth.shashikala	9381218239	42	18251A0255	Sriramula layasri	6302831166
15	18251A0220	Meghana Nagarala	6304524583	43	18251A0256	Monica Tedla	7382004012
16	18251A0221	Naravara Godha	9963828204	44	18251A0257	Udarapu Gurucharana	7702314457
17	18251A0222	P. Nikitha sree	9381891037	45	18251A0258	V.Kavya	8179185855
18	18251A0223	P.Laxmi Chandana	7675877440	46	18251A0259	V.Rishitha	6303602982
19	18251A0224	Samrin Sultana	9160235146	47	18251A0260	Yata Yashasvini	8790087047
20	18251A0225	Sheema Firdous	6304667091	48	18255A0201	Md.Anjum thabasum	9505624987
21	18251A0226	Talla Bhavana	7893730280	49	18251A0261	Sai manisha.A	9381263164
22	18251A0228	Srija Gogineni	8309426354	50	18251A0262	BALAM VENNELA REDDY	7893992503
23	18251A0229	Vasipalli smily	9676141726	51	18251A0263	B.Sai Sandhiptha	6304668782
24	18251A0232	Amtul Malik Husna	9985768631	52	18251A0264	Boji Harika	6302503329
25	18251A0233	B.NAVYA MADHURI	6304755107	53	18251A0265	Chelmal gowri nandana	9347578295
26	18251A0234	Ch. Padmavathi	7989203204	54	18251A0266	Kcerthana	9100156740
27	18251A0235	D.HARIKA PADMA	9985195848	55	18251A0267	Ch Anjeni	6304242104
28	18251A0237	E Janet Angela	9652029057				

N. Malla Reddy
Dr.N.Malla Reddy
HOD-EEE

Head of the Dept. E.E.E
G. Narayanamma Institute of
Technology & Science
Autonomous (For Women)
Shaikpet, Hyderabad - 500 003.

Dr.K.Ramesh Reddy
Dr.K.Ramesh Reddy
Principal 29/1/2020

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

8-1-297/2 / I, Shaikpet, Hyderabad - 500 104, Telangana
☎ : 040-2356 5648 / 2356 5649 E-mail : principal@gnits.ac.in Website : www.gnits.ac.in

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II B.Tech EEE Students List For KTPS Visit on 29-02-2020

Sno	Roll No.	Name of the Student	Mobile No.	Sno	Roll No.	Name of the Student	Mobile No.
1	18251A0268	D.Srujana	6301062956	29	18251A0299	Ch.Kanakalatha	8978521732
2	18251A0269	Sreeharshitha	7032356729	30	18251A0297	D.kavyasri	8919396232
3	18251A0270	Akanksha	9508882222	31	18251A0298	Etikela Hanika	9381082408
4	18251A0270	G.V.Akanksha	9508882222	32	18251A0299	G.Varnika Reddy	9659254567
5	18251A0271	Inti Sreeshma	6304934324	33	18251A02A1	Islavathu Lakshmidevi	9502190793
6	18251A0272	Jaladanki Greeshma Deepa	7981318991	34	18251A02A2	J.Navya	7032353548
7	18251A0273	J Vyshnavi	8688961572	35	18251A02A3	J Sangeetha	9381994755
8	18251A0274	K Sreeja	8304444613	36	18251A02A4	K.Prathyusha	8332940855
9	18251A0275	K. Navya sree	6304673699	37	18251A02A5	KASARLA SHRAVYA	9014917339
10	18251A0276	SRINITYA	6304937826	38	18251A02A7	Rohitha Kundarapu	9381622885
11	18251A0277	M.Hindu sri	7893310911	39	18251A02A8	M.shirisha	6304335969
12	18251A0278	L.VINITHA	7730991398	40	18251A02A9	Likhitha Mandha	9550106994
13	18251A0279	M.keerthi	9603844654	41	18251A02B0	Y.Srikoumudhi	6309849981
14	18251A0280	Meda Likitha	9381410748	42	18251A02B1	Nara Ramya	9398422987
15	18251A0282	N.Sai Samhitha	964006205	43	18251A02B2	P.Saikaaruna	9381311167
16	18251A0283	Nomula Adithi Sai	6304961979	44	18251A02B3	P.kavya	8096809559
17	18251A0283	Nomula Adithi Sai	6304961979	45	18251A02B4	Polepally shravya	7032845379
18	18251A0284	Poladi deepika	9133650809	46	18251A02B5	Polaju.shirisha	9182647897
19	18251A0285	P.Meghana	9381313034	47	18251A02B6	S.jyoshna	9381402262
20	18251A0286	Theegala Madhuri	6300185890	48	18251A02B7	S. Uma maheshwaru	7702215479
21	18251A0288	T. Bhumika	9640147587	49	18251A02B8	V.akhila	9381202899
22	18251A0289	V. Sneha Reddy	9665467967	50	18251A02B9	V.Shaswitha	6302375474
23	18251A0290	Vanam charitha	9381311707	51	18251A02C0	B sowndarya	7993645188
24	18251A0291	Gautami	7893606606	52	19255A0207	Shaik. Reshma	7702398440
25	18251A0292	Banoth.shyamala	9347416910	53	19255A0209	B. Shailaja	9948226893
26	18251A0293	Madhuri Bekkern	9701273519	54	19255A0211	Padige gayathri	7036951798
27	18251A0294	C.Archana Reddy	9866290493	55	19255A0212	A.sunanda	6303264704
28	18251A0295	C.Sharon	8919924814				

N. Malla Reddy
Dr.N.Malla Reddy

HOD-EEE Dept. EEE
G. Narayanna Institute of
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Shaikpet, Hyderabad - 500 104.

K. Ramesh Reddy
Dr.K.Ramesh Reddy
Principal

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Date: 29-01-2020,
Hyderabad.

From
The Principal,
GNITS,
Hyderabad.

To
The Chief Engineer,
KTPS O & M, VII Stage,
Paloncha,
Bhadradi Kothagudem,
Telangana - 507115.

Sir,


Sub: Educational Visit of Electrical Students to KTPS, (O &M) VII stage -
Permission - Requested.

Our II year Electrical Engineering students would like to visit KTPS, (O&M) VII stage Power House and Electrical Substation. The total number of students is around 110 accompanying 4 faculty members. Since Thermal Power Generation is included by as one of subjects in their course curriculum, it will be beneficial to the students.

In this connection, I request you to kindly grant permission for the students and staff to visit the Power Station on Saturday, 29-02-2020. I also request you to kindly arrange for the explanation of various components and operation of the Power Station by the concerned Engineers.

Thanking you,

Yours Sincerely,


PRINCIPAL 29/1/2020

PRINCIPAL

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

Copy To:
The Chief Security Officer
KTPS O & M, VII Stage,
Paloncha,
Bhadradi Kothagudem,
Telangana - 507115.



8-1-297/2/ I, Shaikpet, Hyderabad - 500 104, Telangana

☎ : 040-2356 5648 / 2356 5649 E-mail : principal@gnits.ac.in Website : www.gnits.ac.in

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Date: 29-01-2020,
Hyderabad.

From
The Principal,
GNITS,
Hyderabad.

To
The Chief Engineer,
Electrical O & M, KTPS V & VI Stages,
Paloncha,
Bhadradi Kothagudem,
Telangana - 507115.

Sir,

Sub: Educational Visit of Electrical Students to KTPS, (O & M) V & VI stages -
Permission - Requested.

Our II year Electrical Engineering students would like to visit KTPS, (O&M) V & VI stages Power House and Electrical Substation. The total number of students is around 110 accompanying 4 faculty members. Since Thermal Power Generation is included by as one of subjects in their course curriculum, it will be beneficial to the students.

In this connection, I request you to kindly grant permission for the students and staff to visit the Power Station on Saturday, 29-02-2020. I also request you to kindly arrange for the explanation of various components and operation of the Power Station by the concerned Engineers.

Thanking you,

N. Mallepalli

Yours Sincerely,

K. N. S. Reddy
29/1/2020
PRINCIPAL

Copy To:
The Chief Security Officer
Electrical O & M, KTPS V & VI Stages
Paloncha,
Bhadradi Kothagudem
Telangana- 507115.



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



TELANGANA STATE POWER GENERATION CORPORATION LIMITED
 (A Govt. of Telangana State Undertaking)
 KOTHAGUDEM THERMAL POWER STATION (O&M) and VII Stage
 PALONCHA-507 115
 Ph:08744-254043

From:
 Chief Engineer,
 KTPS (O&M) and VII Stage,
 PALONCHA - 507 115.

To:
 The Principal,
 G.Narayanamma Institute of
 Technology & Science (for Women),
 Shaikpet, Hyderabad - 500104,
 Telangana.

LL.No.CE/O&M/KTPS/TIAI/ E.17/ D.No.149 / 19-20; Dt:06-02-2020.

Sir,

Sub:- KTPS - O&M - Visit of Power House by the students of G.Narayanamma Institute of Technology & Science (for Women), Shaikpet, Hyderabad - 500104, Telangana - Permission accorded

Ref: Your Letter No.Nil ; Dated: 29.01.2019.

As per the request made vide reference cited, the undersigned is pleased to accord permission for 110 No's. B.Tech (Electrical Engineering) Students along with 04 No's faculty members of G.Narayanamma Institute of Technology & Science (for Women), Shaikpet, Hyderabad - 500104, Telangana, to visit the "Kothagudem Thermal Power Station (O&M)" on 29th day of February 2020 from 15.00 Hrs to 17.00 Hrs.

The permission is issued, subject to the conditions mentioned hereunder. You are requested to contact the Assistant Commandant/SPF/KTPS (O&M), and obtain gate pass before entering in to the Power House.

Sd/-
CHIEF ENGINEER
KTPS (O&M) and VII Stage.

Copy to :
 The Assistant Commandant /SPF/KTPS 1.To issue gate pass duly following the instructions in vogue.
 2. To spare one SPF guard to follow the visitors.

CONDITIONS:

1. The visiting hours are from 15.00 Hrs to 17.00 hrs and the visitors should complete and leave the Power House by 17.00 hrs and will be subjected to security checks.
2. Children below 12 years are allowed for the visit with their parents only & are strictly for permitted numbers only.
3. Transport, food, accommodation will not be provided for the visitors.
4. Cameras / Videos are not allowed and taking photos, making drawings of the Power House is prohibited.
5. The visit permission is limited to the unrestricted areas only.
6. The visitors should follow the guidance / instructions of the staff available at that equipment.
7. The visitors are not supposed to touch / operate the moving / running equipment and their controls etc.
8. If there is any loss / damage / disruption to the functioning of the Power House due to handling / operating the equipment by any of the visitors, the team leader will be held responsible and should pay its costs.
9. An undertaking is to be given to that effect by the group leader at the time of the entering in the Power House to security wing. The visitors should follow all safety measures during the visit of the Power House and the team leader will be held responsible for any untoward incidents that may occur to the visitors, departmental staff, other workers, or equipment or production and has to face all legal actions and make all relevant payments there for.
10. There is no permission for the visitors to go near by Cooling Towers.
11. The visitors are cautioned not to disturb the honey combs in and around the plant.

Sir,
 As a group leader of the visiting team, undertake to indemnify the TSGENCO in all respects as noted in the Conditions of the permission above.

Signature of the team leader
 With name and address

To
 HoD - EEE.
 Permitted
 14/2/2020

// Forwarded by order //

[Signature]
 Asst. Divisional Engineer/Tech-I
 C/o CE/O&M/KTPS-Paloncha

To
 Tons i/c for n/a
[Signature]
 14/2/2020

0081444

GNITS, HYDERABAD
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
SCHEDULE FOR KTFS INDUSTRIAL VISIT FOR II B.Tech EEE II SEM 2019-20

DATE	TIMINGS	PROGRAM
28/02/2020	9:00 PM	STARTING FROM COLLEGE TO BHADRACHALAM
29/02/2020	6:00 AM	REACHED TO REDDY CHOULTRY & FRESH UP
	08:30 AM-9:30 AM	BREAKFAST
	10:00 AM-12:00 PM	DRIVE TO KINNERSANI DAM VISIT AT PALONCHA
	12:00 PM-1:30 PM	LUNCH
	2:00 PM-6:00 PM	KTFS O&M, VII STAGE VISIT
	6:00 PM-7:00 PM	BACK TO BHADRACHALAM
	7:00 PM-8:00 PM	DINNER AT BHADRACHALAM & STAY
	10:00 AM-12:00 PM	BREAKFAST & VISIT TO TEMPLE
	2:00 PM-5:00 PM	VISIT TO PARNASHALA
	5:00 PM-7:00 PM	BACK TO BHADRACHALAM
03-01-20	7:00 PM-9:00PM	DINNER AT BHADRACHALAM
	9:00 PM	BACK TO HYDERABAD
	5:00AM	REACHED TO COLLEGE

Associate Professor
 Dept. of Electrical & Electronics Engg.
 GNITS, Hyderabad
TOUR CO-ORDINATOR

Head of the Department
 Dept. of Electrical & Electronics Engg.
 GNITS, Hyderabad
HOD-EEE