

Industrial Visit Report

Name of Industry: 400 kV Substation (GETCO), Kasor

Date of Visit: 25/03/2026

Faculty Coordinators: Dr. Ritesh Patel, Dr.Chintan Patel

Class: 2nd and 3rd Year EE

Number of Visitors: 41 students + 2 Faculty Members

Department of Electrical Engineering has organized an industrial visit of 400 kV Substation (GETCO), Kasor for 4th year students. 58 students along with 2 faculty members visited the 400 kV substation on above mentioned date.

Mr. A D Jaiswal (DE Line) guided the students through the following sections of the substation:

- 400 kV switchyard
- 220 kV switchyard
- Control room
- Battery room
- PLCC control room

In 400 kV and 220 kV switchyards, students observed the layout of the switchyard and understood the functions of components like wave trap, lightning arrester, CT, PT, circuit breakers, isolators, step-up transformer and its auxiliaries, bus-bar arrangement, etc.

There are 4 incoming lines of 400 kV into substation. The 400 kV switchyard has three bus-bars, 1 and 2 are main buses and third one is transfer bus. All the three buses are of tubular type. In all four incoming lines the shunt reactors of 50 MVAR and 125 MVAR are connected to overcome the problem of over-voltage during off-peak duration. The station has two 400/220 kV ICT (Interconnecting Transformers) of 315 MVA capacity each.

There are 8 outgoing lines of 220 kV level which supply power to various 220 kV substations of Gujarat. The 220 kV switchyard also consists of 3 bus-bars same as 400 kV yard. The bus- bar consists of double and quadra-conductors per phase.

Students visited the control room and understood the operation of various protection schemes. The need of battery room to get the DC supply for control circuit was explained by operator of the station. Students also visited the PLCC control room which is used for

carrier communication and protection purpose. The added feature of the station is provision of PMU (Phasor Measurement Units) which will be in operation in near future.

At the end of visit, students interacted with Deputy Engineer and understand the role of GETCO in transmission of electrical energy in the state. The visit was very fruitful as students discovered many practical aspects of substation which are out of the scope of their syllabus.





GCET
G H PATEL COLLEGE OF
ENGINEERING & TECHNOLOGY



Date: 16/03/2026.

To,
The Executive Engineer,
Karamsad TR Division

Subject: Request for the permission of one day industrial visit of 400 kV substation, Kasor.

Dear Sir,

We are pleased to introduce our institute G H Patel College of Engineering & Technology, Vallabh Vidyanagar as one of the reputed Institutes, approved by AICTE, New Delhi and is a constituent college of The Charutar Vidya Mandal University. The institute offers various Engineering Courses at Graduate and Post Graduate levels in different branches like Electrical, Mechanical, Computer, Information Technology, Mechatronics, Civil, Electronics & Communications, Chemical, Computer Science & Engineering (IoT) and Computer Science & Design. The department of Electrical Engineering is accredited by National Board of Accreditation, New Delhi.

We believe that students coming out from this institute should be thorough in theoretical aspects as well as have practical knowledge. We want to make them aware of industrial working environment at an early stage.

In this regard we seek your help and co-operation for permitting our 2nd and 3rd year B.Tech. Electrical students in your esteemed organization (400 kV Station, Kasor) for one day industrial visit **on any date suitable to you till 31st March, 2026**. I request you to permit us for said visit so that our students can get latest knowledge of power substation and its operation. The total numbers of students to visit are **50** and **2 faculty** members will also join them. Your kind co-operation will be helpful to the students at our institute.

Soliciting your favor for the noble cause.

Yours Sincerely

Dr. Ritesh Patel
Head, EE Dept.
M: 9429664064



GETCO

ગુજરાત એનર્જી ટ્રાન્સમિશન કોર્પોરેશન લિ.
Gujarat Energy Transmission Corporation Ltd.

ગુજરાત સરકારનું સહાયક કાર્ય - Government of Gujarat Undertaking

Transmission Circle Office - Nadiad, Gr. Floor, Nadiad-Dabhan Road,
NADIAD - 387320, Post: Dabhan, Tal: Nadiad, Dist: Kheda (Gujarat)
Email: setrnadiad.getco@gebmail.com; GETCO Web: www.getcogujarat.com

No-2025-26/NTC/HR/visit/ 1551

Dated:-

23 MAR 2026

To,
**GCET, G.H.PATEL COLLEGE
ENGINEERING & TECHNOLOGY,
VALLABH VIDYANAGAR-388120**

Subject: Permission for industrial visit at 400Kv Kasor S/S-as per requesting letter received from GCET, G.H.PATEL COLLEGE ENGINEERING & TECHNOLOGY, VALLABH VIDYANAGAR-388120

Reference: 1. GCET, G.H.PATEL COLLEGE ENGINEERING Letter Dated-16-03-2026
2. Karamsad Divn, Mail Dated-20-03-2026

The permission is hereby granted for technical/industrial visit on **25-03-2026** onwards 10:00 a.m. at GETCO, 400Kv Kasor S/s under Karamsad TR.Din. to 50 (Fifty) Electrical Engineer Students & 02 (Two) Faculty and of your from GCET, G.H.PATEL COLLEGE ENGINEERING & TECHNOLOGY, VALLABH VIDYANAGAR-388120, on **considering with following terms.**

- 50 Students & 02 Faculty Students from institute are permitted for technical Industrial Training visit. **25-03-2026 Dated Batches as under.**

Name of Student/ Batch No	Nos. of Trainee	Date of Visit 400Kv Kasor S/s	Time
Electrical Engineer Students	(25 Nos.) Sr No-1 to 25	25-03-2026	10 A.M. to 01.00 P.M.
Electrical Engineer Students	(25 Nos.) Sr No-26 to 50	25-03-2026	02.P.M. to 05 P.M.

- You shall have to intimate the names along with completed all details regarding the residential address as well as telephonic numbers etc. of faculties & students well in advance to our Dy.Engineer, GETCO, 400Kv Kasor S/s .
- The students shall not be eligible for any stipend or remuneration from GETCO during the above period of students visit.
- The GETCO shall terminate this arrangement at any time without assigning any reason.
- The students should maintain strict discipline. They must keep safe distance from the equipment in switchyard & control room.

(PTO.....)

"Save Energy for the Benefits of Self & Nation"

Corporate Office: Sardar Patel Vidyut Bhavan, Race Course, Vadodara-390007

Corporate Identity No: U40100GJ1999SGC036018, Tel. No. 0265-23230583-86, Fax No: 0265-23380238, 2338235

Website: www.getcogujarat.com, E-mail: feedback.getco@gebmail.com

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GETCO

ગુજરાત એનર્જી ટ્રાન્સમિશન કોર્પોરેશન લિ.
Gujarat Energy Transmission Corporation Ltd.

ગુજરાત સરકારનું સહાયક ઉદ્યોગ Government of Gujarat undertaking

Transmission Circle Office - Nadiad, Gr. Floor, Nadiad-Dabhan Road,
NADIAD - 387320, Post: Dabhan, Tal: Nadiad, Dist: Kheda (Gujarat)
Email: setrnadiad.getco@gebmail.com; GETCO Web: www.getcogujarat.com

- No facility like accommodation, transport etc. will be provided by GETCO.
- During visit in case of any accident for any kind of injuries, GETCO shall not be under obligation for making payment for compensation or reimbursement. They will not be considered GETCO employees.
- The students shall follow instruction of GETCO's engineers during visit of substation & they will not have any access to confidential & important information.
- The students will have to carry with them I card issued by your Institute & the same shall be shown at the time of arrival as well as departure to security guards at **400Kv Kasor S/S under TR Divn Karamsad of GETCO. Strength of the batch shall not be more than 25 students not allowed.**
- You will have submitted detailed report to the Head of the unit after completion of students visit.
- Institute has to submit indemnity bond with notarized on Stamp Paper of Rs.300/- prior to period of students visit at **GETCO, 400Kv Kasor S/S under TR Divn Karamsad** It included all above mentioned condition and your institute must agree with it.

Before proceeding visit clearance shall be confirmed with **Dy.Engineer, GETCO, 400Kv Kasor S/S** make necessary arrangements for proper guideline.

All above mentioned terms and condition if you are agreed, then kindly contact to **Mr. M.A.Patel Dy.Engineer, 400Kv Kasor S/s, Mobile No. 99252 08673** as well in advance who will arrange for guideline and assistance & confirm your visit program to him. **Gujarat Energy Transmission Corporation Limited (GETCO) will not be responsible for any untoward incident during the visit to GETCO, 400Kv Kasor S/S under TR Divn Karamsad**

(K.D.Khodiyar)

Superintending Engineer(TR)
GETCO, Nadiad Circle Office

Enclosed: As above

Copy for information and needful action to:

The Executive Engineer, GETCO, Trans. Division **Karamsad**



IN-GJ33340160881523Y



सत्यमेव जयते

INDIA NON JUDICIAL Government of Gujarat Certificate of Stamp Duty

Certificate No. : **IN-GJ33340160881523Y**

Certificate Issued Date : **20-Mar-2026 03:01 PM**

Account Reference : **IMPACC (AC)/ gj13061711/ ANAND/ GJ-AN**

Unique Doc. Reference : **SUBIN-GJGJ1306171164711851971393Y**

Purchased by : **PATEL RITESHKUMAR RATILAL**

Description of Document : **Article 5(h) Agreement (not otherwise provided for)**

Description : **UNDERTAKING**

Consideration Price (Rs.) : **0**
(Zero)

First Party : **PATEL RITESHKUMAR RATILAL**

Second Party : **GETCO**

Stamp Duty Paid By : **PATEL RITESHKUMAR RATILAL**

Stamp Duty Amount(Rs.) : **300**
(Three Hundred only)



NOTARY

GG 0032905562

Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at 'www.shcidesstamp.com' or using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
2. The responsibility of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.



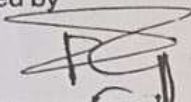
Undertaking

The G.H. Patel College of engg. And Technology, V.V. Nagar



Hereby execute this undertaking in favour of GETCO (Gujarat Energy Transmission Limited) as under:

The aforesaid GETCO has given the permission from 25-3-26 to one day of Industrial Training/Project/Vocational Training/Visit of Engineering student/Group of Students for educational purpose, at GETCO 400 kV Kasar as per GETCO letter/email dated 18/3/26, hereinafter called "The permission" and more particularly described enumerated or referred to in the specifications, terms and conditions prescribed in the permission letter which for the purpose of identification have been signed by


Dr. Ritesh R Patel
(HOD, EE Dept, GCET)



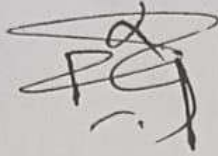
Terms & Conditions:

1. The student shall not be eligible for any stipend or remuneration from GETCO during the above Industrial Training/Project/Vocational Training/Visit.
2. In case of any accident, injuries of any kind, GETCO shall not be under any obligation for making payment for compensation or reimbursement.
3. The student shall behave in a disciplined manner and they have to follow instructions of authorized Officer of GETCO/unit heads. GETCO reserves the right to terminate undisciplined student without assigning any reason.
4. The student will have to carry with them identity card issued by Institute/college and the same shall be available during the training period.
5. Students & strength of the batch shall not be more than 50 students as mentioned in our permission letter/email.
6. Before proceeding for Training/Visit/Project, clearance shall be confirmed with concern SE/EE (TR)/unit heads to make necessary arrangements for proper guidance.
7. The permission of Training/Project/Visit given by GETCO is on contingent basis i.e. may be withdrawn at any time without notice/assigning any reason, if the position so warrants due to any emergency.
8. In no circumstances, GETCO will be responsible for any injury or accident arising out of & in the course of assignment.
9. In no circumstances, Student/s will be considered GETCO's employee.
10. Students will not access and indulge in working area other than the training.
11. No facility like accommodation, transport, etc. will be provided to Students.

NOTARY

GETCO had granted permission to our students for industrial training/ visit purely for academic purpose and we shall not hold GETCO responsible for liable in case of any untoward event.

Signed by :



Date: 20/3/2026

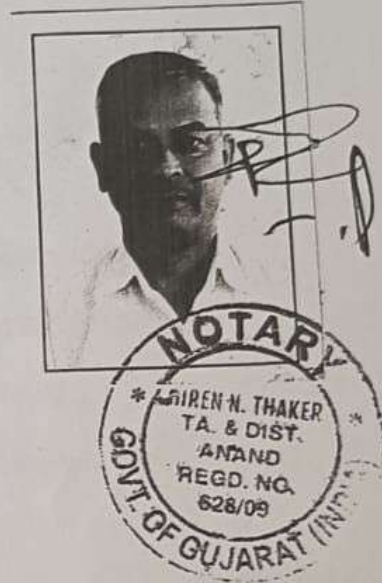
Place: V.V.NAGAR

Name of institute /college:

G H Patel college of
Engg & Tech.

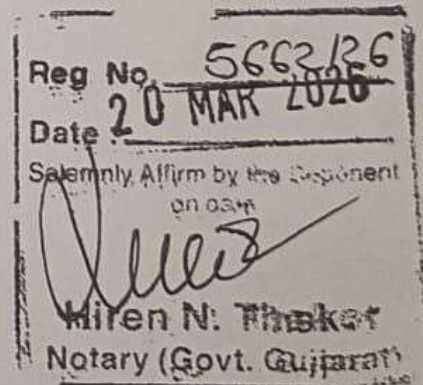
Address:

V.V-Nagar



Seal of ~~institute~~

Department



IDENTIFIED BY ME

ADVOCATE / PERSON

Name :

Signature

HIREN N. THAKER

Advocate-Notary

"Drashti", Opp. Saurashtra Colony,

Mota Bazar, Vallabh Vidyanagar

Dist. Anand, Gujarat. INDIA.

Mo.: 94284 03536

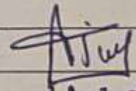
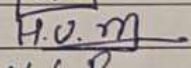
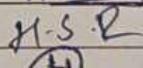
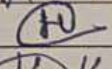
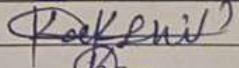

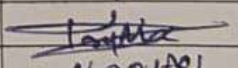
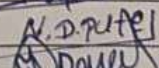
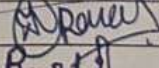
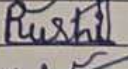
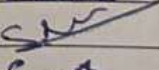
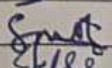
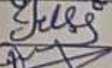
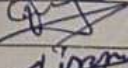
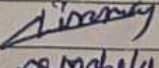
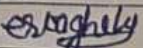
Undertaking for Industrial Visit

Name of Industry: GETCO 400 KV SUBSTATION, KASOR

Date of Visit: 25/03/2026

Electrical Engineering Department, GCET is arranging an industrial visit at Thermal Power Plant, Wanakbori on 09/03/2022. It is informed to the students to observe the following formalities which are mandatory during the visit:

- 1) All students must carry college ID card.
- 2) Discipline must be maintained during visit.
- 3) Students must not touch/operate any instrument during visit.
- 4) They must observe all the instructions given by concerned official in-charge of the industry.
- 5) Students must not enter into the prohibited area without prior permission.
- 6) GCET management and GCET staff (Teaching staff and non-teaching staff) will not be responsible for any fortuity during the visit.

Sr No	Enrollment No	Student Name	Signature
1	12402050501001	Shah Aarav Chirag	
2	12402050501002	Parmar Ajaykumar Ketanbhai	
3	12402050501004	Markana Harshil Upendrabhai	
4	12402050501005	Vasava Harshitaben Sureshkumar	
5	12402050501006	Patel Het Priteshkumar	
6	12402050501007	Markana Kakshil Hareshkumar	
7	12402050501008	Pandey Kritarth Santprasad	
8	12402050501009	Parmar Krutikkumar Pravinbhai	
9	12402050501010	Patel Neel Dharmendrakumar	
10	12402050501011	Raval Nehaben Natubhai	
11	12402050501012	Bhatt Rushi Yogendra	
12	12402050501013	Italia Sahilkumar Ghanshyambhai	
13	12402050501014	Amin Smit Rahulkumar	
14	12402050501015	Gajjar Tulsi	
15	12402050501017	Sonagara Vishwa Pravinbhai	
16	12402050601001	Chinmay Vijeshkumar Lalpurwala	
17	12402050601002	Vaghela Chris Shaileshkumar	

32	12402050503003	Hathila Jayeshbhai Subhashbhai	<i>[Signature]</i>
33	12402050503004	Mayavanshi Kishankumar Ishwarbhai	
34	12402050503005	Devre Parth Kishor	
35	12402050503006	Chavda Prashantkumar Jayantibhai	<i>[Signature]</i>
36	12402050503007	Nagevadiya Raj Hemansubhai	<i>[Signature]</i>
37	12402050503008	Patel Rudra Vijaybhai	
38	12402050603001	Senjaliya Vivekkumar Devshibhai	
39	42402850501001	Solanki Dhruvil Girishkumar	
40	42402850501002	Rajgor Divy Laljibhai	<i>[Signature]</i>
41	42402850501003	Dave Dwarkesh Rishikesh	<i>[Signature]</i>
42	42402850501004	Siju Nitesh Valji Bhai	
43	42402850501005	Shah Prachi Jatin	<i>[Signature]</i>
44	42402850501006	Patel Prit Hiteshkumar	<i>[Signature]</i>
45	42402850501007	Siju Ranjit Nathabhai	
46	42402850501008	Prajapati Ravikumar Maganbhai	
47	42402850501009	Khanpara Ridham Pravin	<i>[Signature]</i>
48	42402850501010	Patel Shivkumar Ghanshyambhai	<i>[Signature]</i>
49	42402850501011	Solanki Siddharth Vinubhai	<i>[Signature]</i>
50	42402850501012	Punjabi Varun Anilkumar	<i>[Signature]</i>
51	42402850501013	Prajapati Yashkumar Kanjibhai	
52	42402850501014	Patel Naishad Ketan	
53	42402850501015	Patel Prince Jayeshkumar	<i>[Signature]</i>

4202850503001 Patel Rajmin

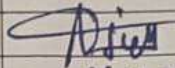
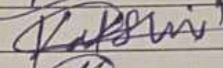
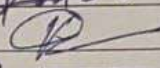
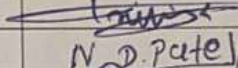
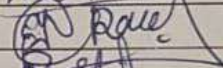
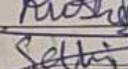
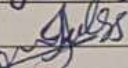
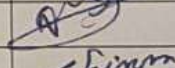
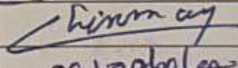
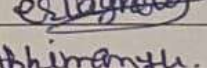
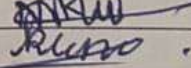
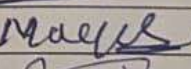
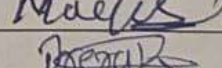
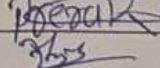

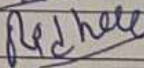
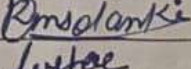
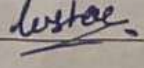
42502850503002 Patmar Mohit Gokhambhai *[Signature]*

42502850503003 Patmel Jay *[Signature]*

Attendance

Name of Industry: GETCO 400 KV SUBSTATION, KASOR

Date of Visit: 25/03/2026

Sr No	Enrollment No	Student Name	Signature
1	12402050501001	Shah Aarav Chirag	
2	12402050501002	Parmar Ajaykumar Ketanbhai	
3	12402050501004	Markana Harshil Upendrabhai	H. U. M.
4	12402050501005	Vasava Harshitaben Sureshkumar	H. S. P.
5	12402050501006	Patel Het Priteshkumar	H. P.
6	12402050501007	Markana Kakshil Hareshkumar	
7	12402050501008	Pandey Kritarth Santprasad	
8	12402050501009	Parmar Krutikkumar Pravinbhai	
9	12402050501010	Patel Neel Dharmendrakumar	N. D. Patel
10	12402050501011	Raval Nehaben Natubhai	
11	12402050501012	Bhatt Rushi Yogendra	
12	12402050501013	Italia Sahilkumar Ghanshyambhai	Sethi
13	12402050501014	Amin Smit Rahulkumar	Smit
14	12402050501015	Gajjar Tulsi	
15	12402050501017	Sonagara Vishwa Pravinbhai	
16	12402050601001	Chinmay Vijeshkumar Lalpurwala	
17	12402050601002	Vaghela Chris Shaileshkumar	
18	12402050601004	Abhimanyu Kumar	Abhimanyu.
19	12402050601005	Nadeem Ali	
20	12402050601006	Parmar Navinkumar Sanjaybhai	N. S. P.
21	12402050601007	Makwana Nikulkumar Naginbhai	
22	12502050503001	Maheshwari Kunal	
23	12502050503002	Shamliya Mayur Pancha	
24	12502050503003	Rana Prerakkumar Santoshkumar	
25	12502050603001	Padhiyar Rajveer Arjunsinh	
26	12502050603002	Riddham Machi	
27	12302050601002	Harsh Kanubhai Chauhan	
28	12302050601003	Solanki Krishna Manishkumar	
29	12302050601005	Vaghela Tusharkumar Jayantibhai	
30	12402050503001	Dhokai Bhavya Kirit	
31	12402050503002	Gohil Dhruv Arvindbhai	

18	12402050601004	Abhimanyu Kumar	Abhimanyu.
19	12402050601005	Nadeem Ali	
20	12402050601006	Parmar Navinkumar Sanjaybhai	N. S. P.
21	12402050601007	Makwana Nikulkumar Naginbhai	MAK
22	12502050503001	Maheshwari Kunal	MAH
23	12502050503002	Shamliya Mayur Pancha	Mayur
24	12502050503003	Rana Prerakkumar Santoshkumar	PRERAK
25	12502050603001	Padhiyar Rajveer Arjunsinh	RJ
26	12502050603002	Riddham Machi	Riddham
27	12302050601002	Harsh Kanubhai Chauhan	
28	12302050601003	Solanki Krishna Manishkumar	SOLANKI
29	12302050601005	Vaghela Tusharkumar Jayantibhai	TUSHAR
30	12402050503001	Dhokai Bhavya Kirit	
31	12402050503002	Gohil Dhruv Arvindbhai	
32	12402050503003	Hathila Jayeshbhai Subhashbhai	JAYESH
33	12402050503004	Mayavanshi Kishankumar Ishwarbhai	
34	12402050503005	Devre Parth Kishor	
35	12402050503006	Chavda Prashantkumar Jayantibhai	CHAVDA
36	12402050503007	Nagevadiya Raj Hemansubhai	NAGEVADIYA
37	12402050503008	Patel Rudra Vijaybhai	
38	12402050603001	Senjaliya Vivekkumar Devshibhai	
39	42402850501001	Solanki Dhruvil Girishkumar	
40	42402850501002	Rajgor Divy Laljibhai	RAJGOR
41	42402850501003	Dave Dwarkesh Rishikesh	DAVE
42	42402850501004	Siju Nitesh Valji Bhai	
43	42402850501005	Shah Prachi Jatin	SHAH
44	42402850501006	Patel Prit Hiteshkumar	PATEL
45	42402850501007	Siju Ranjit Nathabhai	
46	42402850501008	Prajapati Ravikumar Maganbhai	
47	42402850501009	Khanpara Ridham Pravin	RIDHAM
48	42402850501010	Patel Shivkumar Ghanshyambhai	PATEL
49	42402850501011	Solanki Siddharth Vinubhai	SOLANKI
50	42402850501012	Punjabi Varun Anilkumar	PUNJABI
51	42402850501013	Prajapati Yashkumar Kanjibhai	
52	42402850501014	Patel Naishad Ketan	
53	42402850501015	Patel Prince Jayeshkumar	P. J. Patel
	42502850503001	Patel Jaymin	J. M. P.
	42502850503002	Parmar Mahit Goodrambhai	PARMAR
	42502850503003	Parmar Jang	PARMAR