



न्यूक्लियर पावर कॉर्पोरेशन ऑफ इंडिया लिमिटेड  
NUCLEAR POWER CORPORATION OF INDIA LIMITED  
( भारत सरकार का उद्यम A Government of India Enterprise )  
काकरापार गुजरात स्थल KAKRAPAR GUJARAT SITE  
डाक : अणुमाला, वाया व्यारा, जिला : तापी (गुजरात) 394651  
PO : Anumala, Via: Vyara, Dist. Tapi, Gujarat, Pin 394651

No.KGuj.Site/NTC/TS/2015/112

14<sup>th</sup> October, 2015

**Sub. : Report on seminar on “Indian Nuclear Power Programme & Radiation – A fact of life” conducted at GIDC Degree Engineering College, Navsari, Gujarat on 9<sup>th</sup> October 2015.**

Kakrapar Gujarat Site, NPCIL has been persistently innovating upon its Public Awareness & outreach Programme with the objective of strengthening the systematic approach to these activities. On the initiative and encouragement from Shri L. K. Jain, Site Director, Kakrapar Gujarat Site, it was decided to expand the area of Public Awareness.

A seminar on Indian Nuclear Power Programme & Radiation – A fact of life was organised at GIDC degree engineering college, Navsari, Gujarat on 9th October 2015. The aim of the seminar was to draw the attention of student community towards Nuclear Power as Safe, economical, environmentally benign & long term source of electrical energy.

The Seminar consisted of three lectures. The first lecture on “**Indian Nuclear Power programme**” was delivered by Shri. Sunil Kumar, Training Superintendent, Kakrapar Gujarat Site and he covered the topics such as Global Energy scenario, Need of nuclear power, Three Stage Indian Nuclear Power programme, Functioning of a Nuclear Power Station, Radiological & safety features of a Nuclear Power Station, and waste management.

Dr. A. K. Patra, Head, Environmental Survey Laboratory (ESL), Kakrapar Gujarat Site delivered two lectures such as “**Radiation- A Fact of Life &**

**Environment Impact Assessment around Kakrapar Gujarat Site” and “DAE-Societal benefits”.**

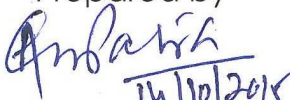
Demonstration of radiation measuring instrument (Atomtex survey meter) to measure the naturally occurring gamma radiation inside the seminar hall of GIDC degree engineering college, Navsari was shown to the participants by Dr. A. K. Patra, Head, ESL, Kakrapar Gujarat Site.


The seminar began at around 1145 hrs and lasted up to 1345 hrs. The seminar was attended by 138 students & the faculties of Electrical Engineering Department. During the seminar, students raised various queries regarding Safety aspects of NPP, waste generation and Waste reprocessing, Environmental impact, cause of Fukushima accident, level of radiation dangerous for human being etc. All these queries were suitably addressed during the seminar.


All the students & faculties were quite appreciative of the facts and figures provided during the seminar and were able to understand & appreciate the measures being taken to make nuclear energy safe & environmentally benign. They were very keen to learn during the interaction.

**Attachments:**

1. Photos taken during the above programme are attached as Annexure-1.
2. Feedback cum letter of appreciation from the principal, GIDC degree engineering college, Navsari, Gujarat as Annexure-2
3. Attendance sheet of the participants as Annexure-3.

Prepared by  
  
(Dr. A. K. Patra)  
Head, ESL  
& Member CPAP

Checked by  
  
(R K Dubey)  
STO (M)/Member  
Secretary CPAP

Issued by  
  
(Sunil Kumar)  
Trg. Supdt./Chairman  
CPAP

**Distribution:** (Through E-mail)

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1. CMD Office
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3. ED (CP&CC)
4. Shri Sudesh Sharma, ACE (CP&CC)
5. Shri A.K.Jain, ACE (CP&CC)

**Kakrapar Gujarat Site**

1. Site Director
2. SD/CS, KAPS-1&2
3. PD/CCE, KAPP-3&4
4. SD/CS, KAPP-3&4
5. AGM(HR)
6. Members of CPAP

## Annexure-1



**Gathering inside the conference room of GIDC Degree Engineering College,  
Navsari on 9/10/2015**



**Lecture Delivered by Shri. Sunil Kumar, Training Superintendent,  
Kakrapar Gujarat site on “Indian Nuclear Power programme”**



**Lecture Delivered by Dr. A. K. Patra, Head, Environmental Survey Laboratory (ESL), Kakrapar Gujarat Site on “Radiation- A Fact of Life & Environment Impact Assessment around Kakrapar Gujarat Site” and “DAE- Societal Benefits”**



**Demonstration of radiation measuring instrument (Atomtex survey meter)  
by Dr. A. K. Patra, Head, ESL, Kakrapar Gujarat Site**

## Annexure-2

Letter of appreciation/feedback from the Host Institute



### GIDC Degree Engineering College

(Approved by AICTE and Affiliated to Gujarat Technological University)  
(Managed by GIDC Education Society)

Abrama, Ta : Jalalpore, Dist. : Navsari - 396 406

E-mail : gidcengcol@gmail.com

Website: www.gidc.in

Phone : (02637) 229040

RefNo : Gdec / Adm / Semi. Etc / 2015-16 / 2699

Dt. : 12 / 10 / 2015

To,  
SHRI LALIT KUMAR JAIN  
Site Director  
Kakrapar Gujarat site

**Sub:** Regarding to the seminar conducted on 9<sup>th</sup> October 2015 in Electrical Engineering Dept.

**Dear Sir,**

It is pleasant to attempt seminar on Public Awareness Programme of Kakrapar Gujarat Site, We conducted lecture programme in our Institute Gidc Degree Engineering College, Abrama, Navsari on the following topic;


1. Indian Nuclear Power programe & process of generation of nuclear energy
2. Radiation- A fact of Life,
3. DAE-Societal benefit.


On Dated on 09<sup>th</sup> October 2015 at ELECTRICAL ENGINEERING DEPARTMENT in GIDC DEGREE ENGINEERING COLLEGE, NAVSARI. It would be very useful for student/Faculty. They have learnt about Power Plant and also Clear their doubt regarding to the nuclear power plant with new ideas. we appreciate for your efforts for same.

We are thankful to Shri. Sunil Kumar, Training Superintendent,  
Dr. A. K. Patra, Head, Environmental Survey Laboratory,  
Mr. Y.J. Prajapati,

Sharing such a valuable knowledge. Hopeful for cooperation for the same in the future.

Thanking you.

  
Mr. Rajesh T. Patel  
HOD (I/C)  
Electrical Department  
GIDC Degre Engineering College, Abrama,  
Navsari.

  
Dr.K.N.Mistry  
PRINCIPAL  
G I.D.C. Degree Engg. College  
Abrama, Ta: Jalalpore, Dist: Navsar.



### Annexure-3

#### Attendance Sheet of the participants



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 ( भारत सरकार का उद्यम A Government of India Enterprise )  
 काकरापार परमाणु विद्युत केंद्र KAKRAPAR ATOMIC POWER STATION  
 AN ISO-9001, ISO-14001 AND IS-18001 CERTIFIED ORGANISATION

Date: 09/10/2015

Public Awareness Programme : Seminar on Nuclear Energy

Programme schedule: 09/10/2015 Time: 11: 00 Hrs. to 1300Hrs.

Faculty: SUNILKUMAR (TS) & A K Patra(OIC)

Name of Organization: GIDC Degree Engineering College, NAVSARI

Level of Participation: Engineering Students & Faculties

Programme coordinator: Yogesh Prajapati

Sr.No.	Name of Participant	Discipline	Signature
1.	Mishra Vishal	Electrical	<i>Mishra</i>
2.	Manoj Kumar Shubhanga	Electrical	<i>S. D. Manoj Kumar</i>
3.	Patel Vishal	Electrical	<i>V. S. Patel</i>
4.	Thakur Vishal K.	Electrical	<i>Vishal</i>
5.	Musigara Venkatesh B	"	<i>Musigara</i>
6.	prakash Vivek D	"	<i>V. D. Prakash</i>
7.	Ranbir M. Mandal	"	<i>Ranbir</i>
8.	Shivraj K. Sank	"	<i>Shivraj</i>
9.	Hemant M. Patel	"	<i>H. M. Patel</i>
10.	pinal K. ternaol	"	<i>Pinal</i>
11.	Dipesh S. mishra	"	<i>D. S. mishra</i>
12.	Patel Anand Kumar M.	"	<i>A. M. Patel</i>
13.	Patel Anag A	"	<i>A. A. Patel</i>
14.	Lad Poojita B.	"	<i>Poojita</i>
15.	Patel Snehal S	"	<i>S. S. Patel</i>
16.	Patel Sahal P	"	<i>S. P. P.</i>
17.	Deva Jitesh R.	"	<i>J. R. Deva</i>
18.	Patel Chirag S	"	<i>C. S. Patel</i>
19.	Ahij Bhavin V	"	<i>B. V. Ahij</i>
20.	Patel Hiren B	"	<i>H. B. Patel</i>
21.	Ahij Heman H	"	<i>H. H. Ahij</i>
22.	Patel Pooja B.	"	<i>P. B. Patel</i>
23.	Kulkarni Sanjay I	"	<i>S. I. Kulkarni</i>
24.	PATEL KINJAL M	"	<i>K. M. Patel</i>
25.	Patel Divya A	"	<i>D. A. Patel</i>

Sr.No.	Name of Participant	Discipline	Signature
26.	Patel Jinal D.	Electrical	
27.	Detroja Ima H.	"	
28.	Patel Riddhi D.	"	
29.	Vasundra Nilam P.	"	
30.	Gabghari Harikrushn M	Electrical	
31.	Cradhami Sangay B	"	
32.	Salvi Pradip H.	"	P.H. Salvi
33.	Patel Harshit G.	"	H. G. Patel
34.	TANDEL RAHUL T.	ELECTRICAL	
35.	Patel Jirandza I	"	J. I. Patel.
36.	Rana Tashi R	"	
37.	Shaikha Saifal. S	"	
38.	MOTISARVA SURESH H	"	
39.	AHIZ ANSHAY H.	"	AHIZ A.H.
40.	PATEL RINKESH C.	"	
41.	Ahiz Tadar D	"	Tadar D
42.	Ahiz Hemil D	"	H. D. A.
43.	Tandel Jigar - R	"	J. R. Tandel
44.	Shikhar R. Pushkar	"	
45.	prasad, P. RIMIL	"	P. P. Tandel
46.	Patel Nisav V.	"	Nisav Patel
47.	Mamatha Pankaj	"	
48.	Patel Dhruvraj	"	
49.	Ruthod M Sayeb A.	"	S. A. Rauthod
50.	Tandel Sajjan B	"	Tandel S. B.
51.	Bhemushali Heena M	"	H. M. Bhemushali
52.	Patel Disha I	"	
53.	Patel Madhvi R	"	M. Patel.
54.	Salunke Sumita D	electrical	
55.	Mehra Arti M	electrical	
56.	Patel Nikita B.	Electrician	N. B. Patel
57.	Patel Meghna G.	Ele.	M. G. Patel
58.	Patel Vaibhavi P	Electrical	V. P. Patel
59.	Patel Pooja D.	Electrical	Patel P. D.
60.	Tandel Payal D.	Electrical	P. D. Tandel
61.	Patel shradha P.	Electrical	S. P. Patel

Sr.No.	Name of Participant	Discipline	Signature
62.	Banerjee Dibyanshu A	Electrical	
63.	Talwar Damini H	"	
64.	Patel Rajat N	"	
65.	Sanswal Titu M	"	
66.	Tandel Nehal D.	"	
67.	Gadgil Jatin D.	"	
68.	Merdapya Hrushik M.	"	
69.	Prigadeel Nikunj V.	"	
70.	Rajput Vijesh P.	"	
71.	Makwana Kishan A.	"	
72.	Dungurami Smit G.	"	
73.	Munshi Anish R.	"	
74.	Patel Kaushik M.	"	
75.	Shinde Bhavish N.	Electrical	
76.	Savani Bhavish R.	Electrical 5 <sup>th</sup> sem	
77.	Parkharia Varun S.	Electrical 5 <sup>th</sup> sem	
78.	Ahuja Bhavish S.	Electrical 3 <sup>rd</sup> sem	
79.	Patel Rajat A.	Electrical 2 <sup>nd</sup> sem	
80.	Patel Rajat K R.	Electrical 8 <sup>th</sup> sem	
81.	Solanki Himankumar D.	Electrical 3 <sup>rd</sup> sem	
82.	Patel Jigneshkumar M.	Electrical 5 <sup>th</sup> sem	
83.	Smith Yash A.	Electrical 5 <sup>th</sup> sem	
84.	Kozal Tushar B.	Elect 7 <sup>th</sup> sem	
85.	Guthal Rushikash	"	
86.	Pandav Mayur	"	
87.	Patel Tajash R.	"	
88.	Parmar Prashant	"	
89.	Patel Tejay R.	"	
90.	Gadhil Disha K.	Electrical 5 <sup>th</sup> sem	
91.	Mistry Kaishna S.	"	
92.	Patel Nikita C.	"	
93.	Patel Snehal Kumari M.	"	
94.	Patel Aisha Kalidas	"	
95.	Pandey Neha M.	electrical 9 <sup>th</sup> sem	
96.	Tandel Dhruvi N.	"	
97.	Chaudhan Himanshu D.	"	

Sr.No.	Name of Participant	Discipline	Signature
98.	Singh Ajeeraj V	Elect.	
99.	Falguni Padi Harshik M	Elect	
100.	Doctor M Sufi M M	Elect	
101.	Patel Himendra J	Elect	
102.	Chandana Prakash	Elect	
103.	Prasanna Prasad V	Elect	
104.	Bhusha S Suresh	Elect	
105.	Pintesh S Patel	Elect	
106.	Khanwar Hitesh M	Elect	
107.	Mayank K. Patel	Elect	
108.	Pawar Krishna C.	Elect	
109.	Patel Anurag M	Elect	
110.	Tandale Dinkar J.	Elect	
111.	Tandale Indrakumar R	Elect	
112.	Patel Vikas R.	Elect	
113.	Patel Vishal B	Elect	
114.	Bhishe Karan K	Elect	
115.	Khalija Sahvesh L.	Elect	
116.	Tandale Manish E.	Elect	
117.	Manish Phule M	Elect	
118.	Tandale Harsh V.	Elect	
119.	Pradya Chintan M	Elect St	
120.	Vasava Anurag	Elect St	
121.	Mishra Anurag	"	
122.	Pawar Anurag	"	
123.	Anurag Anurag	"	
124.	Prasad Patel	"	
125.	Ashish Patel	"	
126.	Sanket Patel	"	
127.	Denish Anurag	"	
128.	Patel Denish	"	
129.	Jadhav Anurag	"	
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129 Participants  
 133 Total

## Faculty

Sr.No.	Name of Participant	Discipline	Signature
134.	Buchi Rajesh, T.	English Faculty	Buchi
135.	Naik Khyati K	"	Naik
136.	Bhawesh S. Patel	"	Bhawesh
137.	Ravi D. Dandekar	"	Ravi
138.	Bhavin S. Trivedi	"	Bhavin
139.	Dheval K. Patel	"	Dheval
140.	GOPAL ANAND	"	Gopal
141.	Dharmeshwar Patel	"	Dharmeshwar
142.	Dheeraj R. Gargokund	"	Dheeraj
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*Faculty*