



# EU delegates visited Praj's 2nd generation demonstration biorefinery - Mar 2018

# **Praj sees bio-fuel tech opportunity in Europe**

**WITH THE** legislative renewable energy directive of the European Union progressively placing caps on the use of biofuels derived from foodcrops like wheat and beet, Praj Industries sees an opportunity for its second generation bio-fuel technology in the EU. Pramod Chaudhari, executive chairman of Praj, said they were in the initial stage of discussion with interested parties from Europe.

# Praj to cater to biofuel market of European Union

**ST CORRESPONDED**  
[reporters@sakaaltimes.com](mailto:reporters@sakaaltimes.com)

**Pune:** Leaping to future technologies, India is poised to bring out a national biofuel policy aimed at creating a sector worth Rs 1 lakh crore, said Minister of Petroleum Dharmendra Prasad at three-day conclave on Advanced Biofuels held at Delhi.

The city-based Praj Industries has probably become

the first industry in the country which will cater to the biofuel market of the European Union after using the indigenous technology. The company has erected its own biorefinery plant a few kms away from the city.

At a press conference here on Friday, Praj Industries Executive Chairman Pramod Chaudhari said, "We had a European Union delegation co-led by Kyriakos

Maniatis, Principal Administrator, Director General for Energy, European Commission visiting our plant on Friday. The current government is encouraging the use of biofuels." "Our biorefinery will produce ethanol from a variety of agri residue which will serve as a technology platform to develop renewable fuels and chemicals, in addition to ethanol," added Chaudhari. "Indian

oil companies are setting up 12 numbers of second generation biorefineries and we have signed a memorandum of understanding with IOCL and BPCL," he said.

"Meanwhile, the EU is working out a policy on biofuels. The creation of biofuels through the crops consumed there, which means that to cater to the rising demands bio-fuels needs to be produced," said Chaudhari.

# European Union taps into Praj's biofuel global potential

**Nadeem Inamdar**

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**PUNE:** The Indian biofuel industry is expected to receive a huge boost after a high-level European delegation, comprising senior executives from the bio-industrial sector, visited Praj Industries Limited's second generation demonstration bio-refinery near Pune on Friday to explore future partnerships and bilateral trade relations between the company and the European Union (EU).

Pramod Chaudhari, executive chairman of Praj Industries Limited, said that the delegation, co-led by Kyriakos Maniatis, principal administrator, directorate general for energy for European Commission, took interest in the plant. Maniatis said that the biofuel technology indigenously developed by Praj had immense potential in the global market, especially in the EU.

The delegation also participated in the EU-India Conference on Advanced Biofuels held in New Delhi between March 6 and March 9. Maniatis said he was impressed by the high standard of biofuel technology developed by the company and said there was a huge scope for business to business ties between EU and Praj.

Chaudhari said that the company has vast global experience in scaling up first generation technology, which gives it an edge in taking the second generation technology overseas.

"The visit by EU delegation is testimony of the increasing traction for Praj technology in the European biofuel industry. We are in the initial stage of discussion with parties from Europe and remain confident about our ability to emulate Praj's success in the continent with our second generation technology," he said.

Praj's demonstration plant is also India's first bio-refinery capable of producing ethanol from agricultural residues and serves as a technology platform to develop renewable fuels and chemicals. Indian oil firms are preparing to set up twelve second generation bio-refineries in India. Praj has signed a memorandum of understandings (MoU) with Indian Oil Corporation Limited and Bharat Petroleum Corporation in this regard.

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## Praj to cater to biofuel market of European Union

ST Correspondent | Friday, 9 March 2018

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## Sources Of Energy



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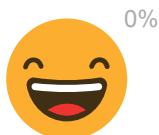
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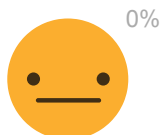
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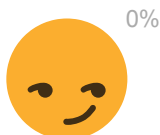
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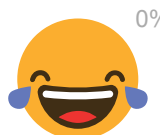
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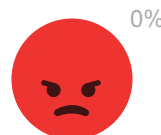
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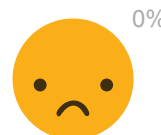
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# Praj in advanced stage of discussion to set up two 2nd Gen Ethanol plants in EU

BY JAYASHREE BHOSALE, ET BUREAU | UPDATED: MAR 09, 2018, 08.00 PM IST

Post a Comment

Pune-based [Praj Industries](#) is in advanced stage of discussion to set up second generation ethanol plants in two counties of the [European Union](#).

Pramod Chaudhari, Executive Chairman of Praj commented at the occasion, "We are in the advanced stage of discussion with two interested parties from Europe. We remain confident about our ability to emulate Praj's success in the continent with our 2nd gen technology.

The techno-socio-economic model of 2nd gen ethanol technology is already progressing in [India](#) and can be replicated in the developed region like Europe. In addition to mitigation of climate change, 2nd gen technology is also expected to enable rural job creation."

A European delegation comprising of senior executives from bio-industrial sector representing renowned organizations participated in the EU- India Conference on Advanced Biofuels being held at New Delhi during 6- 9 March, 2018. The delegation is led by Dr Kyriakos Maniatis, Principal Administrator – Directorate General for Energy, European Commission.

As a part of conference, delegates visited Praj's 2nd generation demonstration biorefinery in Maharashtra earlier today to witness the technology and plant performance.

Dr. Kyriakos Maniatis, Principal Administrator - Directorate General for Energy, European Commission said, "I visited the commercial demo plant of Praj Industries in Maskoba and I was very impressed. Compared to other similar Second Generation plants across Europe and USA, the plant in India is better than those plants, simply because Praj plant is up and running and it produces Ethanol whereas the plants in USA have been trying for over a year to succeed."



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Praj has signed MOUs with IOCL and BPCL to set up second generation biorefineries in India.

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" There are technological innovations taking place in the European Union in the 2 nd Generation Ethanol space and similar innovations I can see over here in India too. Thus, there are immense possibilities of cooperation that I am able to foresee," said Maniatis.

The legislative proposal of European Union known as Renewable Energy Directive (RED) progressively caps the use of biofuels derived from foodcrops like wheat, beet which are predominant feedstock in the European continent.

This means, additional production of biofuels to meet the increasing demand for energy has to come from advanced biofuels derived from crop residue or 2nd generation feedstock.

"Being a frontrunner in the 2nd generation ethanol technology in India and a vast global experience of scaling up 1st generation technology gives Praj an edge of taking the 2nd gen technology overseas. The indigenous technology has been developed at Praj's R&D center Matrix. This demonstration plant is also India's first biorefinery capable of producing ethanol from a variety of agri residue. It

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# जैव इंधन तंत्रज्ञानाच्या माध्यमातून भारत परदेशात सेवा देण्यास सज्ज प्राजचे कार्यकारी अध्यक्ष प्रमोद चौधरी यांचा विश्वास

प्रतिनिधी, पुणे

जैव इंधनाचे राज्यासह देशभरात उत्पादन कमी आहे. याबाबतचे तंत्रज्ञान प्राजने विकसित केले आहे. युरोपियन युनियनला या तंत्रज्ञानात रस असून त्याद्वारे भारतीय जैव इंधन तंत्रज्ञान परदेशात सेवा देण्यास सज्ज झाले आहे, असा विश्वास प्राजचे कार्यकारी अध्यक्ष प्रमोद चौधरी यांनी व्यक्त केला.

प्रख्यात संस्थांमधील जैव-औद्योगिक क्षेत्रातील वरिष्ठ अधिकाऱ्यांचा समावेश असलेले युरोपियन प्रतिनिधी मंडळाने प्राजच्या प्रकल्पाला भेट दिली. त्यानंतर

आयोजित पत्रकार परिषदेत चौधरी बोलत होते. युरोपियन आयोगाचे मुख्य प्रशासक डॉ. कायरीआकोस मनिअतिस या वेळी उपस्थित होते.

चौधरी म्हणाले, प्राजच्या दुसऱ्या जैव कारखान्याला युरोपीय प्रतिनिधी मंडळाने भेट दिली. याद्वारे युरोपियन बाजारपेठेत प्राजच्या तंत्रज्ञानाबद्दलची वाढती रुची स्पष्ट दिसून येते. त्याबाबत युरोपातील विविध घटकांबरोबर पहिल्या टप्प्यातील चर्चा सुरू आहेत. इथेनॉल तंत्रज्ञानाचे सामाजिक-आर्थिक प्रारूप भारतात प्रगतिपथावर असून हे तंत्रज्ञान ग्रामीण भागात रोजगार देखील निर्माण करू शकणार आहेत. हे स्वदेशी तंत्रज्ञान

प्राजच्या संशोधन व विकास केंद्रात विकसित करण्यात आले आहे.

मनिअतिस म्हणाले, युरोपीय प्रतिनिधी मंडळाने दिल्ली येथे भारतीय भागधारकांसह महत्त्वपूर्ण व अर्थपूर्ण चर्चांमध्ये सहभाग घेतला आहे. प्राजच्या जैव इंधन प्रकल्पातील तंत्रज्ञानाने मंडळाला प्रभावित केले आहे. केवळ भारत, युरोपीय देशच नव्हे, तर संपूर्ण जगाला अशा प्रकारच्या तंत्रज्ञानाची गरज आहे. अभियांत्रिकीचे उत्तम प्रयोग करून हा प्रकल्प तयार करण्यात आला आहे. त्यामुळे तंत्रज्ञान विकासामध्ये आम्हाला नवा दृष्टिकोन मिळाला आहे.



# ‘प्राज’चे जैवइंधन तंत्रज्ञान युरोपच्या बाजारपेठेतही

पुणे, ता. ११ : जैवइंधन तंत्रज्ञान आणि निर्मिती क्षेत्रात असलेली पुण्यातील ‘प्राज’ ही कंपनी युरोपियन युनियन देशांतील जैवइंधन बाजारपेठेतही सेवा देणार आहे. या संदर्भात युरोपियन कमिशनच्या शिष्टमंडळाने पुण्यातील कंपनीच्या प्रकल्पांना भेट दिली.

या भेटीविषयी आणि जैवइंधन क्षेत्रातील संधी, धोरणांविषयी कंपनीचे कार्यकारी अध्यक्ष प्रमोद चौधरी यांनी पत्रकार परीषदेत माहिती दिली. या वेळी कंपनीचे उपाध्यक्ष डॉ. रवींद्र उतगीकर, युरोपियन कमिशनचे

कायरीआकोस मनिअतिस उपस्थित होते. दिल्ली येथे जैवइंधनासंबंधी पार पडलेल्या परिषदेस युरोपियन कमिशनचे प्रतिनिधी सहभागी झाले होते. या निमित्ताने या प्रतिनिधींनी ‘प्राज’च्या प्रकल्पांना भेट दिली. जैवइंधन तंत्रज्ञान आणि प्रकल्प उभारणीच्या क्षेत्रात कंपनीने चांगले काम केले आहे. सध्या प्रगत जैवइंधनाच्या निर्मितीकडे वाटचाल सुरू आहे. वाढत्या इंधनाच्या मागणीची पूर्तता करण्यासाठी जैवइंधननिर्मिती करण्यासाठी युरोपियन युनियनचे सदस्य

असलेल्या देशांत प्रोत्साहन दिले जात आहे. या संदर्भातील धोरणही लवकच ठरविले जाणार आहे. तेथे गहू आणि बीट यासारख्या पिकापासून जैवइंधननिर्मितीला मान्यता दिली जात आहे. या पार्श्वभूमीवर जैवइंधन क्षेत्रात कंपनीने निर्माण केलेल्या तंत्रज्ञानाविषयी तेथे उत्सुकता आहे. दुसऱ्या जनरेशनमधील ‘इथेनॉल’ करण्याचे तंत्रज्ञान भारतातच प्रगत होत असून, यामुळे भारतातील ग्रामीण भागात रोजगार निर्माण होण्यास मदत होईल, असे चौधरी यांनी सांगितले.

भविष्यात जैवइंधन आणि

रसायन विकसित करण्याच्या दृष्टीने कंपनीची वाटचाल सुरू असल्याचे स्पष्ट करीत चौधरी म्हणाले, “भारतात तेलाची आयात दहा टक्क्यांपर्यंत कमी करण्याचे धोरण आहे; परंतु त्यासाठी ५० ते ६० प्रकल्प उभे राहण्याची आवश्यकता आहे. केंद्र सरकारने काही तेल कंपन्यांच्या माध्यमातून प्रकल्प उभे करण्याच्या दृष्टीने पावले टाकली आहेत. या क्षेत्रात सुमारे एक लाख कोटी रुपये इतकी उलाढाल होऊ शकते, असे पेट्रोलियममंत्री धर्मेन्द्र प्रधान यांनी नुकतेच स्पष्ट केले आहे.”





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## Praj getting closer to building two 2nd gen biofuel plants in Europe

March 11, 2018 | [Helena Tavares Kennedy](#)

In India, [Praj Industries is a step closer to setting up two second generation ethanol plants](#) in two European Union countries that were not disclosed yet. The announcement that Praj is in the advanced stages of discussions to build those plants came at the EU-India Conference on Advanced Biofuels on Friday. A delegation from Europe consisting of senior executives from the bio industry were in attendance. Delegates visited Praj's second generation demonstration biorefinery to see the technology and plant in person.

Dr. Kyriakos Maniatis, Principal Administrator – Directorate General for Energy, European Commission told the Economic Times, "I visited the commercial demo plant of Praj Industries in Maskoba and I was very impressed. Compared to other similar Second Generation plants across Europe and USA, the plant in India is better than those plants, simply because Praj plant is up and running and it produces Ethanol whereas the plants in USA have been trying for over a year to succeed."

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# Praj eyes EU for advanced biofuel projects



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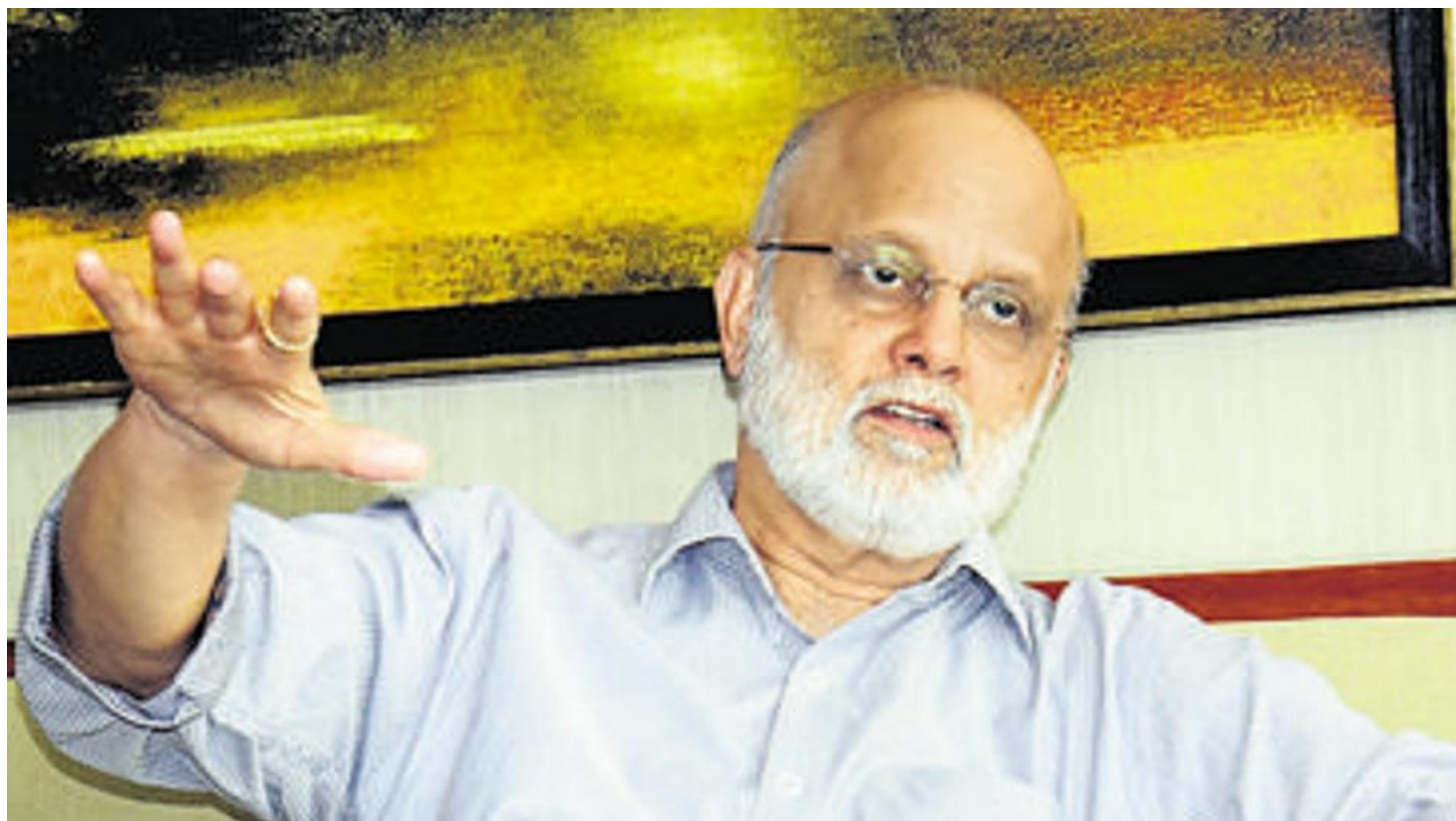
India-headed ethanol plant engineering, procurement and construction (EPC) provider, Praj Industries Ltd is reported to be in advanced stages of discussion to set up second-generation ethanol plants in the European Union (EU).

According to [media reports](#), the Pune-based company is in an advanced stage of discussion to set up second-generation ethanol plants in two counties of the European Union (EU). Speaking at the EU- India Conference on Advanced Biofuels held in New Delhi earlier in the week, Pramod Chaudhari, Executive Chairman of Praj said that the company was “in the advanced stage of discussion with two interested parties from Europe. We remain confident about our ability to emulate Praj’s success in the continent with our second-generation technology.”

The conference was attended by a European delegation comprising of senior executives from bio-industrial sector representing key organizations and headed by Dr Kyriakos Maniatis, Principal Administrator – Directorate General for Energy, European Commission.

## EU taps into Pune-based Praj's biofuel global potential

European delegation visits Praj Industries Limited's second generation demonstration bio-refinery near Pune to explore future partnerships and bilateral trade relations between the company and the European Union.



Pramod Chaudhari, executive chairman, Praj Industries Limited, said that the company has vast global experience in scaling up first generation technology, which gives it an edge in taking the second generation technology overseas.(HT PHOTO)

The Indian biofuel industry is expected to receive a huge boost after a high-level European delegation, comprising senior executives from the bio-industrial sector, visited Praj Industries Limited's second generation demonstration bio-refinery near Pune on Friday to explore future partnerships and bilateral trade relations between the company and the European Union (EU).

Pramod Chaudhari, executive chairman of Praj Industries Limited, said that the delegation, co-led by Kyriakos Maniatis, principal administrator, directorate general for energy for European Commission, took keen interest in the plant. Maniatis said that the biofuel technology indigenously developed by Praj has immense potential in the global market, especially in the EU.



The delegation also participated in the EU-India Conference on Advanced Biofuels held in New Delhi between March 6 and March 9. Maniatis said that he was impressed by the high standard of biofuel technology developed by the company and said there was a huge scope for business to business ties between EU and Praj.

Chaudhari said that the company has vast global experience in scaling up first generation technology, which gives it an edge in taking the second generation technology overseas.

"The visit by EU delegation is testimony of the increasing traction for Praj technology in the European biofuel industry. We are in the initial stage of discussion with interested parties from Europe and remain confident about our ability to emulate Praj's success in the continent with our second generation technology," he said.

Praj's demonstration plant is also India's first bio-refinery capable of producing ethanol from a variety of agricultural residues and serves as a technology platform to develop renewable fuels and chemicals. Indian oil marketing companies are preparing to set up twelve second generation bio-refineries in India. Praj has signed a memorandum of understandings (MoU) with Indian Oil Corporation Limited (IOCL) and Bharat Petroleum Corporation (BPCL) in this regard.