13th October 2015
BJ/SH-L2/87

BSE Limited
Corporate Relationship Department
1st Floor, New Trading Ring
Rotunda Bldg., P. J Towers
Dalal Street, Fort
Mumbai – 400 001.

National Stock Exchange of India Limited
Exchange Plaza, 5th Floor
Plot No. C/1, G Block
Bandra-Kurla Complex
Bandra (East)
Mumbai – 400 051.

Dear Sirs,

Tata Power partners with Cargill & Schneider Electric and implements path-breaking technology with India's First Natural Ester filled transformers

Tata Power has been a frontrunner in technology adoption and innovation while also setting benchmarks in sustainability. As another green milestone in the Company's Centenary Year celebrations, two of India's first 25 MVA Natural Ester filled transformers were recently installed in Mumbai. With this initiative, Tata Power has once again showcased its priority in driving sustainability by implementing path breaking green technology. Sustainability remains a core business philosophy of Tata Power, and the green transformers is one of the Company's many green initiatives under its 'Be Green' campaign.

The Press Release to be issued by the Company is attached for your ready reference.

Yours faithfully,
For The Tata Power Company Limited

H M Mistry

(H. M. Mistry)
Company Secretary

Encl.

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TATA POWER

TATA

for immediate use **PRESS RELEASE**

Tata Power partners with Cargill & Schneider Electric and implements path-breaking technology with India's First Natural Ester filled transformers

This technological innovation helps Tata Power resolve multiple challenges in providing electricity-safely, economically & eco-friendly—to its customers in this centenary year!

Mr Prakash Chandraker, MD, Schneider Electric Infrastructure Limited *said, "We are proud of our association with Tata Power and are privileged to have been able to partner with one of the leading power companies of India to execute a first in India solution that brings a new meaning to the phrase 24/7 power." This innovative technology uses thermally upgraded insulation & natural ester oil for the commissioned 20/28MVA power transformers which delivered the following advantages:*

- *Increased Safety against fire hazard on account of high temperature Natural Ester Oil*
- *17% space saving compared to conventional mineral oil solution*
- *Low Noise level to the of 59DB (decibels) thus Silent*
- *Increased Overloading capacity up to 40% of base rating*
- *Environment friendly Green & Biodegradable solution*

National, October 13th, 2015: Tata Power, India's largest integrated power company, has been a frontrunner in technology adoption and innovation while also setting benchmarks in sustainability. As another green milestone in the Company's Centenary Year celebrations, two of India's first 25 MVA Natural Ester filled transformers were recently installed in Mumbai. With this initiative, Tata Power has once again showcased its priority in driving sustainability by implementing path breaking green technology. Sustainability remains a core business philosophy of Tata Power, and the green transformers is one of the Company's many green initiatives under its 'Be Green' campaign.

Use of Natural Ester in transformers sets a new industry paradigm for the power sector across the country. Pioneers of this vision, Tata Power selected Cargill's Envirotemp™ FR3™ fluid (the most widely used natural ester fluid) & Schneider Electric (specialist in energy management & automation) for its transformers. FR3 fluid provides improved fire safety, extended transformer life and additional loading capacity with a smaller footprint.

The Natural Esters fluids have a high fire point (360 degree Celsius) and reduces risk of fires in the electrical installation. In comparison to the conventional mineral oil filled transformers, this fluid provides improved fire safety for the densely populated areas within Tata Power's service area. The fluid is made

from a carbon neutral* renewable resource, is biodegradable, non-toxic and non-hazardous in soil and water.

Speaking on this initiative, **Mr. Ashok Sethi ED &COO, Tata Power**, said, "*Tata Power is committed towards providing greener, safer and sustainable environment while serving our consumers with uninterrupted power supply. As part of our centenary year celebrations, Tata Power reaffirms its commitment to nation building and we will continue to uphold and implement technological innovations such as green transformer. We plan to refine the design to further decrease the footprint and improve performance. This could change the landscape of the power industry in India and create a new paradigm that can be adopted successfully anywhere in the world.*"

"With diminishing open space and its availability, Tata Power has successfully built and adopted technological alternatives that will overcome space constraints in congested cities like Mumbai and provide safe & eco-friendly installation." said **Mr. R. Pillai, Chief Corporate Operation, T & D, Mumbai**

Joining Tata Power in its innovative journey, **Mr. Siraj Chaudhry, Chairman, Cargill India**, said, *"Power Technologies have been evolving in India. The Natural Ester technology offers a number of important advantages over mineral oil. It is also derived from renewable resources and is carbon neutral (according to BEES 4.0 lifecycle analysis). As part of Cargill`s 150 years celebration, we are proud to collaborate with Tata Power for implementing this technology for the first time in India"*

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Tata Power began working with Cargill's dielectric fluids team on a prototype in 2013 for a compact 25 MVA transformer filled with FR3 fluid, which would be comparable in size to a 20 MVA Mineral Oil filled transformer The eventual transformer design provides increased capacity by 8 MVA, while reducing the footprint by 17 percent; it yields cost-savings of about 16 percent and reduces noise level from 73 decibels to 59 decibels.

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About Tata Power:

Tata Power is India's largest integrated power company with a growing international presence. The Company together with its subsidiaries and jointly controlled entities has an installed gross generation capacity of [8669] MW and a presence in all the segments of the power sector viz. Fuel Security and Logistics, Generation (thermal, hydro, solar and wind), Transmission, Distribution and Trading. It has successful public-private partnerships in Generation, Transmission and Distribution in India namely "Tata Power Delhi Distribution Limited" with Delhi Vidyut Board for distribution in North Delhi, 'Powerlinks Transmission Ltd.' with Power Grid Corporation of India Ltd. for evacuation of Power from Tala hydro plant in Bhutan to Delhi and 'Maithon Power Ltd.' with Damodar Valley Corporation for a 1050 MW Mega Power Project at Jharkhand. Tata Power has developed the country's first 4000 MW Ultra Mega Power Project at Mundra (Gujarat) based on super-critical technology. It is also one of the largest renewable energy players in India. Its international presence includes strategic investments in Indonesia through a 30% stake in the leading coal company PT Kaltim Prima Coal (KPC), 26% stake in mines at PT Baramulti Suksessarana Tbk ("BSSR") and a geothermal project; in Singapore through Trust Energy Resources to securitise coal supply and the shipping of coal for its thermal power generation operations; in South Africa through a joint venture called 'Cennergi' to develop projects in South Africa, Botswana and Namibia; in Australia through investments in enhanced geothermal and clean coal technologies and in Bhutan through a hydro project in partnership with The Royal Government of Bhutan. With its track record of technology leadership, project execution excellence, world class safety processes, customer care and driving green initiatives, Tata Power is poised for a multi-fold growth and committed to 'lighting up lives' for generations to come. Visit us at: www.tatapower.com

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About Cargill

Cargill provides food, agriculture, financial and industrial products and services to the world. Together with farmers, customers, governments and communities, we help people thrive by applying our insights and nearly 150 years of experience. We have 155,000 employees in 68 countries who are committed to feeding the world in a responsible way, reducing environmental impact and improving the communities where we live and work. For more information, visit Cargill.com and our News Center.

About Envirotemp™ FR3™ natural ester dielectric fluid

As an internationally recognized fluids expert, Cargill manufacturers Envirotemp™ FR3™ natural ester dielectric fluid. FR3 fluid has been used in more than 750,000 transformers across 6 continents in distribution and power transformers through 420kV. FR3 fluid is made from renewable natural ester oil that provides improved fire safety, extended transformer insulation life, increased load capacity as well as best-in-class environmental properties. Cargill's team of dielectric fluids experts collaborate with utilities and transformer manufacturers to implement cost-effective solutions that improve grid reliability and transformer performance. For more information, visit envirotempfluids.com.

TATA POWER CELEBRATING 100 YEARS OF INVISIBLE GOODNESS

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For further information, please contact:

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