



**WORLD SUSTAINABLE
DEVELOPMENT SUMMIT**
BEYOND 2015: PEOPLE, PLANET & PROGRESS



Thematic Track

Clean Energy: Indo-Norwegian Nexus

**Thursday, October 6, 2016 | Hall No.1, Vigyan Bhawan, Central Secretariat, New Delhi
Background Note**

Background:

India is running the world's largest renewable energy expansion programme with a target to increase the overall renewable capacity by over five times from 32 GW in 2014 to 175 GW in 2022. The Government of India has undertaken a number of initiatives to achieve this vast target. By taking a leadership role in the International Solar Alliance of 121 countries and organising RE-Invest 2015, the world's largest renewable financing meet, the Government of India has also laid the foundations for massive growth in this sector. The Ministry of New and Renewable Energy, Government of India, has revised the 'National Solar Mission' target of 20 GW, by five times to generate 100 GW solar power by 2022. The target will principally comprise 40 GW rooftop and 60 GW through large- and medium-scale grid-connected solar power projects.

The Energy and Resources Institute (TERI) has been working extensively in the field of renewable energy primarily with the Ministry of New and Renewable Energy. TERI works on the regulatory as well as the technical aspects of clean energy—renewables, energy security, climate change, etc. TERI and the Norwegian Ministry of Foreign Affairs (MFA) are working together to address the knowledge gaps in the three strategic areas of clean energy, climate change, and energy security, with a goal of contributing towards the achievement of India's NAPCC targets.

With more than 95% of electricity generation from hydro coupled with decades of experience in the hydro sector, Norway is an appropriate partner for India in its Small Hydro Power Development. Norway also has footprints in the Indian Power sector dating back to 2004 with the commissioning of 86 MW Malana power

project, where Statkraft has 49% equity share. This was followed 192 MW Allain Duhangan Hydro Power Project as subsidiary of Malana Power. Through its joint venture with Tata Power and Bhilwara Group, Statkraft has been an important player in the Indian Hydro Power sector.

Statkraft's expansion in the Indian solar segment is also a testimony of Norway's faith in the Indian renewable sector. Energy Nest, a leading Norwegian company in energy storage is under process to set up a first-of-its-kind thermal energy storage project in India. Statkraft Markets Pvt. Ltd has been a trailblazer in the power trading arena with a host of innovative initiatives and has been serving India by helping bridge the demand and supply gap of the various utilities.

Norwegian companies, such as Statkraft, Tiny Mesh, Energy Nest, and TINFOS, are keenly working towards collaboration with Indian renewable ecosystem and are committed to make a positive contribution to the Indian Renewable Growth story. Norway is committed to partner of India in this exciting transition towards a more sustainable and greener Indian economy.

Event's Objective:

The main focus of this thematic track would be to exchange viewpoints on various aspects of the electricity sector, with primary emphasis on renewables. Other issues pertaining to market mechanisms existent for developing a demand driven market will also be discussed. The broad area of this thematic track would cover the following topics (including 3–4 expert presentations/talk and one panel discussion):

- **Renewable energy scenario for India and Norway—Regulatory and policy status**
- **Small hydro initiatives**
- **Power markets**
- **Market instruments for driving the electricity demand**