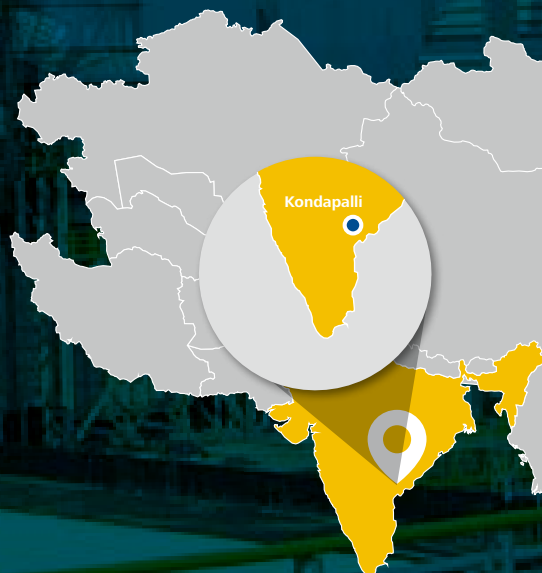


# LANCO NATURAL GAS POWER INDIA

Using natural gas resources with innovative  
eco-friendly technologies to provide reliable  
power to India



*This project generates clean electricity for the local grid from natural gas, displacing emission-rich coal energy while also providing a range of education, health, water and community development programs for the needs of neighbourhood communities.*

### The Context

In a rapidly developing country such as India, finding a clean energy source that meets the increasing demand of the population is an important measure for slowing the effects of climate change. Natural gas can play a significant role in the transition to a more sustainable economy. With only half the amount of CO<sub>2</sub> emissions compared to coal-fired power generation, it is the energy of choice for emerging economies with an eye on the climate.

### The Project

This project involves installing two sets of air-cooling gas steam combined cycle power generation equipment which uses natural gas to generate electricity. Natural gas is sourced from the Krishna Godavari basin, the biggest natural gas reserves in India, through a pipeline running up to the project site. The project's massive carbon emission reductions are achieved by replacing emission-rich coal-based electricity from the grid with state-of-the-art combined-cycle power generation from relatively low-carbon natural gas.

### The Benefits

Beyond the benefits of avoiding large amounts of carbon emissions, including an improvement to local air quality, the project owner has also taken a range of measures to support sustainable development in the surrounding population. Education, health, water and community development programs have been set up to provide for the needs of the neighbourhood communities, including scholarships to local students, free mobile health check-ups and disability support, safe drinking water provision and tree planting initiatives.

The Lanco education programme provides Lanco Merit Scholarships so that meritorious students are given an opportunity to continue education and pursue higher studies.



**1,109**  
people

with disabilities provided with aids and appliances in 22 distribution camps through 4 artificial limb fitting centres



**238,227**  
patients

in rural populations positively impacted by the Lanco Mobile Health Service



**6,36,85,792**  
litres

of purified water from 32 plants provided to 16,465 registered households across 8 States of India



**830,113**  
tCO<sub>2</sub>e

reduced on average annually by providing an alternative energy resource that doesn't rely on coal burning, directly contributing the the mitigation of climate change

For more information on the UN Sustainable Development Goals, please visit: <http://www.un.org/sustainabledevelopment/sustainable-development-goals/>

**Official name:** Grid connected electricity generation using natural gas by Lanco Kondapalli Power Private Limited

**Registry link:** [http://www.vcsprojectdatabase.org/#/project\\_details/1261id=103000000001929](http://www.vcsprojectdatabase.org/#/project_details/1261id=103000000001929) | UNFCCC/markit/VCS ID: 1261