



**PROGRAMME DESIGN DOCUMENT FORM FOR CDM PROGRAMMES OF ACTIVITIES
(F-CDM-PoA-DD)
Version 02.0**

PROGRAMME OF ACTIVITIES DESIGN DOCUMENT (PoA-DD)

PART I. Programme of activities (PoA)

SECTION A. General description of PoA

A.1. Title of the PoA

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Title: Welspun Renewable Energy Program

Version: 03.1

Date: 24/10/2012

A.2. Purpose and general description of the PoA

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Welspun Renewables Energy Limited (WREL) is a wholly owned subsidiary of Welspun Energy Limited which is in the business of generation of electricity through thermal and renewable energy sources. The proposed PoA is a step towards ensuring energy security, diversification of the grid generation mix and sustainable growth of the electricity generation sector in India.

WREL's long term vision to implement more than 1,000 MW of renewable energy projects in the country and the significant importance of revenues from sale of Certified Emission Reductions (CERs) to achieve this goal forms the basis of the implementation of this PoA. The PoA is a voluntary action and WREL will be the Coordinating / Managing Entity (CME) for all the component project activities (CPAs).

The PoA will support the development of new grid-connected renewable energy power plants in India and will cover the solar and wind energy technologies. It seeks to enable investment in large and small grid connected plants that export their generated output to the regional / national electricity grid in India. The implementation of these technologies currently faces various technological, institutional and financial barriers.

In the last six decades, India's energy use has increased 16 times and the installed electricity capacity by 84 times. In 2008, India's energy use was the fifth highest in the world. Nevertheless, India as a country suffers from significant energy poverty and pervasive electricity deficits. In recent years, India's energy consumption has been increasing at a relatively fast rate due to population growth and economic development, even though the base rate may be somewhat low. With an economy projected to grow at 8-9% per annum, rapid urbanization and improving standards of living for millions of Indian households, the demand is likely to grow significantly¹.

WREL shall constitute a CDM PoA team for coordinating and managing all operational aspects related to the implementation of the PoA. The team would also be responsible for the management of records and data associated with each CPA. The team may also hire consultants, if deemed necessary, for this purpose.

The PoA is a voluntary action being coordinated and managed by WREL. There are no mandatory laws or regulations existing in India requiring WREL or any other party to develop a programme for renewable generation plants.

¹[http://www.jseejournal.com/JSEE%202012/PDF%20file%20JSEE%203\(1\)%202012/7.Energy%20scenarios%20pp.%207-17.pdf](http://www.jseejournal.com/JSEE%202012/PDF%20file%20JSEE%203(1)%202012/7.Energy%20scenarios%20pp.%207-17.pdf) (Page 1)



WREL has obtained a clarification AM_CLA_0227 “Application of combination of large scale methodology ACM0002 and small-scale methodology AMS I.D in a renewable energy PoA”² from the Meth Panel permitting use of combination of ACM0002 and AMS-I.D in the PoA, where each CPA will apply only one technology and only one of the two methodologies.

The PoA and CPAs proposed to be included under it would contribute to sustainable development of the local area as well as the host country as follows:

Social well being:

- The CPAs under the PoA would lead to generation of business opportunities and employment in the region thereby contributing towards social upliftment through direct and indirect benefits.
- The CPAs in their execution will also lead to development of infrastructure in the region and promotion of businesses through the improvement in electricity generation capacity of the grid.

Economic well-being:

- The CPAs would lead to an investment in the region accompanied with business and employment benefits along with improvement of grid supply.
- The clean electricity generated through the CPAs would be fed into the grid thereby improving the availability of electricity in the region. This would provide a better scenario for local industries and businesses to improve their production capacities thereby contributing towards the overall economic development of the region.

Environmental well being:

- The CPAs would employ clean technology for generation of electricity thereby displacing fossil fuels which are being rapidly consumed to meet the growing demand of electricity in the country, thus contributing towards reduction in GHG emissions.
- The CPAs under the PoA would not generate any end products in the form of solid waste (ash etc.) compared to alternative modes of power generation (e.g. coal based on which the Indian grid is primarily dependent). Hence they would be cleaner sources of power generation and encouraging greener practices in the region.

Technological well being:

- The CPAs would use solar/wind power technology for power generation thereby demonstrating the viability of these technologies to other project developers in the region.
- The CPAs under the PoA would generate electricity through technologies that are environmentally safe and sound.

The National CDM Authority has also mandated project proponents of large scale project activities to commit a minimum of 2% earning (net realization value) from sale of CERs towards Sustainable Development activities including society and community development activities. This commitment would be realized based on the actual CER revenue received by the project proponents after meeting the statutory tax requirements and CER revenue sharing requirements with the utility as per the provisions of the PPA.

A.3. CMEs and participants of PoA

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Welspun Renewables Energy Limited will be the CME of the PoA and will communicate with the Executive Board. It is also the project participant of the PoA.

² <http://cdm.unfccc.int/methodologies/PAmethodologies/clarifications/58686>