

## SECTION A. Description of project activity

### A.1. Purpose and general description of project activity

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CECIC HKC Danjinghe Windfarm Project (UNFCCC Reference Number: 2170)" was registered as a CDM project on 29/12/2008. The first 7 year renewable crediting period started on 29/12/2008 and expired on 28/12/2015. The project participant, CECIC HKC Wind Power Co. , Ltd. is applying for the second crediting period from 29/12/2015 to 28/12/2022.

CECIC HKC Danjinghe Windfarm Project (hereinafter referred to as the proposed project) is located in Zhangbei County, Hebei Province, and is developed by CECIC HKC Wind Power Co. Ltd. Based on the condition of the project site, the proposed project is to install and operate 54 wind turbines of 750kW, 100 wind turbines of 800kW and 53 wind turbines of 1500kW. Therefore, the total installed capacity of proposed windfarm is 200MW. The proposed project is expected to generate approximately 438,550 MWh per year at the full capacity, which will be sold to the North China Power Grid (hereinafter referred to as NCPG).

As the NCPG is dominated by fossil fuel-fired power generation, the establishment of the Project Activity will lead to greenhouse gas (GHG) emission reductions. Following the methodology, the emission reductions are estimated to be on average 407,303 tonnes of CO<sub>2</sub> equivalent (tCO<sub>2</sub>e) per year, and 2,851,121 tCO<sub>2</sub>e over the second renewable crediting period. The baseline scenario is the same as the scenario existing prior to the start of the implementation of the project activity: electricity delivered to the NCPG by the project would have otherwise been generated by the operation of grid-connected power plants and by the addition of new generation sources.

The proposed project will therefore help reduce GHG emissions versus the high-growth, coal-dominated business-as-usual scenario. The proposed project promotes local sustainable development through the following aspects:

- reducing CO<sub>2</sub>, SO<sub>2</sub> and NO<sub>x</sub> emissions;
- creating local employment opportunity during the assembly and installation of wind turbines, and for operation of the proposed project;
- reducing other particulate pollutants resulting from the fossil fuel fired power plants compared with a business-as-usual scenario.