The project will support the following of the Republic of Korea Government objectives;

- Cultivate, support and promote the research and development of new renewable energy sources, with one of the key renewable technologies listed being wind.
- Minimize dependence on fossil fuel imports and create domestic power resources, which will have added economic benefits.

The project contributes to sustainable development in the following ways:

- Renewable energy sources present many environmental benefits. Compared to other energy sources, processing wind energy does not release pollutants into the air, nor does it emit residuals that can give harmful impacts on soil, water etc.
- Renewable energy sources provide future generations with environmentally friendly fuel alternatives that protect the environment.
- This project will cut GHGs and other emissions such as sulphur dioxide, nitrogen oxide, and particulates.
- An assessment of the environmental effects on Korea demonstrates that GHGs and emissions of air pollutants from this kind of renewable energy power plants would be cut by approximately 149,536 metric tons of CO_2, 284 tons of SOx, 215 tons of NOx, and 15 tons of dust per year, if the 98MW wind power plant in Taegwallyong was built. (The value of CO2 was estimated in accordance with the methodology of ACM0002 and each value of SOx, NOx, and dust was estimated by using national Database for LCI(Source: Data of MOCIE[2] of the year 1998).
- The GaWiP project will create jobs in the local area during the initial phase (see Table 1 in detail). Infrastructure, such as, access roads, power lines, and communication cables for constructions will benefit the local economy.

The project will transfer the advance technology and knowledge regarding wind power plant as follows:

- While Engineers dispatched from Vestas will stay in the plant and monitor the operation and management of the plant for five years , and transfer the knowledge and technology to the local people (source: Vestas consortium)
- After five year training, the local engineers will manage and operate the plant.

1 PB Power : Parsons Brinckerhoff Associate Ltd

2 MOCIE : Ministry of Commerce, Industry, and Energy is a state administration authority which is responsible for trading, industry, technology, energy, resource in Korea