



Revision of Monitoring Plan Taegisan Wind Power Project (Reference No. 2302)

B.7 Application of the monitoring methodology and description of the monitoring plan:**B.7.1 Data and parameters monitored:***(Copy this table for each data and parameter)*

Data / Parameter:	EGy
Data unit:	MWh
Description:	Net electricity supplied to the grid by the project
Source of data to be used:	Measured by meters.
Value of data applied for the purpose of calculating expected emission reductions in section B.6	92,856
Description of measurement methods and procedures to be applied:	Hourly measurement and monthly recording. 100% of data will be monitored and archived.
QA/QC procedures to be applied:	The Measurement will be in compliance with Act on operation of electricity market of the KPX (Korea Power Exchange) for accuracy and reliability. The calibration will be carried out according to Act on operation of electricity market by authorized organization. Double checked by receipt of sales.
Any comment:	Monitored data will be kept for two years after the crediting period. * According to the regulation on the electricity measurement equipment, the equipment must use the main metering equipment that has allowable error of $\pm 0.5\%$. This equipment shall be sealed by the authorized person from the connected substation right after the installation of the equipment. * The amount of electricity consumed in the plant and electricity transmission to a grid will be measured. Also the received electricity as a driving force for starting the operation and in emergencies will be measured by electric power meter. EGy means a net amount of electricity transmitted to the grid excluding electricity consumed in the plant and received from grid. And the amount of electricity consumed in the plant and received from the grid will be deducted from the emission reduction of the proposed project according to the monitoring.

**B.7.2 Description of the monitoring plan:**

Monitoring plan is setting up the series of monitoring works on GHG emission reduction of the proposed project.

Monitoring plan includes followings.

- Establishing and keeping the appropriate and transparent monitoring system for the generated electricity from the project
- Measuring instrument management, maintenance and quality control.
- Role and demands of the person in charge of monitoring
- Data management and storage system
- Preparations and coping with the third parties audit

1. Monitoring Organization

The generated electricity supplied to the KEPCO grid is the main data to be monitored. And CDM project manager will be in charge of all related matters including monitoring of reduction, collecting and keeping of the data, QA/QC and audit.

Project owner(s) of the Taegisan wind power plant are POSCO E&C and Eurus Energy Japan. The former, POSCO E&C will take charge of engineering, purchasing the equipment including generators and other construction work etc.

And the latter, Eurus Energy Japan will undertake management of the SPC (Taegisan wind power company) and project financing. And the SPC (Taegisan wind power company) is the manager of project. So Taegisan wind Power Company will take charge of overall operation, monitoring and audit of the plant. There are two sections under the Taegisan wind power company: monitoring section and auditor section.

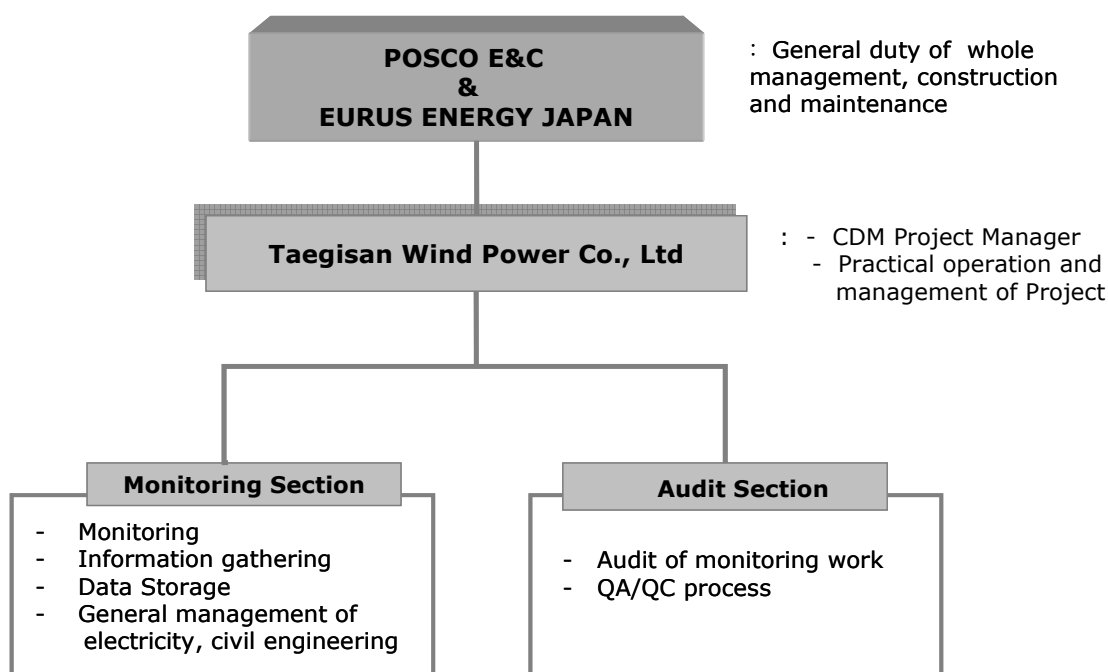
Monitoring section manager will undertake monitoring, gathering and storage required according to the monitoring plan. And the gathered information is recorded and sent to the CDM project manager and auditor section monthly.

Also auditor section manager will audit the monitoring section's work and proceed QA/QC process according to the monitoring plan.

CDM project manager will take the responsibility for entire compliance of the monitoring plan including confirmation of monitoring plan, emission reduction and report.

Following figure describes the operational structure to perform the monitoring plan.

<Figure B-3> Operational and management structure



CDM project manager should report any important changes of the outline and fulfillment of entire monitoring plan to the project owner.

2. Monitoring Equipment

Electricity meters for measuring the amount of electricity shall be set up transparently in accordance with the Korean law “Law regarding measurement” and “Act on operation of electricity market”, and they shall be sealed after confirmation on the correct set up of the meters by Korea Power Exchange. The meters shall be investigated according to “Act on operation of electricity market” by certificated examination standard.

And calibration regarding sealing of the meters shall be performed according to Act on operation of electricity market.

The proposed project will be maintained in accordance with the process defined on the “Law regarding measurement” and “Act on operation of electricity market”.

◆ Act on operation of electricity market July 2010

The measuring equipments’ inspection period is as below table.

Capacity	More than 1MW	Less than 1MW
Test Period	3 years 6 months ±6months	Exemption



3. Data Collection and Management

The amount of electricity transmitted to the grid shall be measured automatically by the established meters as described above. The measured variables are simultaneously transferred to central control system of the Taegisan wind power plant.

The measured amount of electricity shall be collected hourly, daily and monthly and shall be archived in electronic way.

Additionally, according to “Act on operation of electricity market”, KPX shall keep and maintenance the transmitted data from the electricity meters of the proposed project in its data base.

And the measured amount of electricity shall be compared with those of KPX to ensure quality of the data. If the two variables compared are different, the electricity meters and other equipment shall be checked if they are working properly by internal investigation and procedures regulated in the related laws. Then the results will be reported to the CDM project manager for appropriate follow-up measures.

Even after the internal investigation and procedures in related laws, if the reason why those two variables are different is not found, then data stored in the electricity meters of Taegisan will be used in the first place according to “Act on operation of electricity market”

Collected data record for monitoring will be archived electronically at least for 2 years after the crediting period (10years) to which the records pertain.

4. Training

The project developers and manager will continue the training and maintenance over the equipment of wind power plant. And regard monitoring and training of the proposed project such as plant O& M, generation and operation manual, maintenance and training plans are under way with promotion of a contract, accordingly specific plans are in progress currently.



Annex 4

MONITORING INFORMATION

Please refer to section B.7
