Office of the Chief Executive

Assurance and Forensic Department

Contracted University of Pretoria to execute this project

M&V PERFORMANCE ASSESSMENT CERTIFICATE:

DSM PROJECT TITLE:	Kusasalethu Composite Fibre Axial Fans
DSM PROJECT NUMBER:	2010235
ESCO OF DSM PROJECT:	National Power
M&V TEAM FOR DSM PROJECT:	University of Pretoria

DATE OF M&V COMPLETION:	30/11/2014
SHORT DESCRIPTION OF DSM PROJECT:	**IEE**

It is hereby certified that the M&V Performance Assessment for the above-mentioned project has been completed and that the performance for the reporting period (01/09/2014 - 30/11/2014) is given. Comments are also given regarding the summarised performance and sustainability of the demand impact of this project.

Signed on 16/12/2014

M&V Team Project Member	Name	Dr. Donghui Wei
	Sign	Donghui Wei
Certificate Reference		PM/M&V/UP-14/15-456

1. INTENDED DEMAND IMPACT OF PROJECT

	Weekday (MW)						
	Morning Off-peak	*Morning Standard*	*Morning Peak*	*Midday Standard*	*Evening Peak*	*Evening Standard*	*Evening Off-peak*
Intended DSM Impact	1.890	1.890	1.890	1.890	1.890	1.890	1.890

Table 1. Intended weekday impact

	Saturday (MW)					Sunday (MW)
	Morning Off-Peak	*Morning Standard*	*Midday Off-peak*	*Evening Standard*	*Evening Off-peak*	*Sunday Off-peak*
Intended DSM Impact	1.890	1.890	1.890	1.890	1.890	1.890

Table 2. Intended weekend impact

The project target is 1.89 MW as average daily demand saving, whereas the verified one is 1.965 MW.

2. ACTUAL DEMAND IMPACT OF PROJECT

Weekday (MW)						
Morning Off-peak	*Morning Standard*	*Morning Peak*	*Midday Standard*	*Evening Peak*	*Evening Standard*	*Evening Off-peak*
1.886	1.856	1.975	1.945	1.906	1.960	1.922
Saturday (MW)						Sunday (MW)
Morning Off-Peak	*Morning Standard*	*Midday Off-peak*	*Evening Standard*	*Evening Off-peak*		*Sunday Off-peak*
1.962	2.029	2.045	2.082	2.014		2.104

Table 3. Actual demand Impact for the period of PA

3. ACTUAL ENERGY CONSUMPTION IMPACT OF THE PROJECT

For the reporting period of the whole PA stage, the energy consumption impact is 4290.51 MWh.

4. COMMENTS

The performance of the EE project is not seasonal. The M&V team is confident that the project will be able to sustain this saving in the future as long as the client maintains the system properly.