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Att: CDM Executive Board

Your ref.:
CDM Ref 0374

Our ref.:
MLEH/KCHA/VIAS

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Validation opinion - Request for revision of monitoring plan for project activity 0374 “KMS Power 6 MW Renewable Sources Biomass Power project in India”

We refer to the procedure for revising monitoring plans adopted at EB 26 and herewith request a revision of the monitoring plan for project activity 0374 titled “KMS Power 6 MW Renewable Sources Biomass Power Project in India”.

The revision of the monitoring plan is related to the inclusion of the monitoring of the diesel consumption in the project activity for the calculation of the project emissions.

1 Project description

The project is a 6 MW (gross) capacity grid-connected biomass based power project. The project was commissioned in July 2002. The project utilises the available biomass in the region, such as rice husk, cotton stalks, chilli stalks, prosopis juliflora etc, for generation of electricity that is exported to the Andhra Pradesh state electricity grid. It uses a condensing type steam turbo generator with a matching fluidised boiler capable of firing multiple fuels. The technology used in this project is indigenous.

As per the registered PDD the following parameters are required to be monitored.

- a) Gross electricity generated
- b) Auxiliary consumption of electricity
- c) Electricity exported to the grid
- d) Electricity imported from the grid.
- e) Biomass consumption and net calorific value of the biomass
- f) Coal consumption and carbon content in the coal and net calorific value of coal.

The project has been issued CERs twice following CDM registration for the period 23 July 2002 to 24 June 2006 and 25 June 2006 to 23 July 2007.

2 Proposed revision to the monitoring plan

During the previous two verifications it was observed that the project activity also consumed diesel for diesel generator set operations during emergencies. The diesel consumption was

being monitored separately and the emissions due to the usage of diesel were accounted as project emissions in the previous issuance requests.

In line with the EB requirements with respect to the revision of the monitoring plan to include the parameters which directly contribute to emission reduction calculations and were not part of the original monitoring plan of the registered PDD, the proposed revision to the monitoring plan includes the monitoring of the following additional parameters of,

- a) Diesel consumption in the project activity – direct measurement
- b) Net calorific value of Diesel – sourced from IPCC – will be monitored yearly
- c) Density of diesel – sourced from supplier – monitored yearly
- d) Oxidation factor of diesel – sourced from IPCC – will be monitored yearly.

(a) the proposed revision of the monitoring plan ensures that the level of accuracy or completeness in the monitoring and verification process is not reduced as a result of the revisions:

The revision of the monitoring plan does not affect the level of accuracy or the completeness in the monitoring and verification process. The parameter of diesel consumption was being monitored and incorporated in the emission reduction calculations earlier also as stated above. The proposed revision only incorporates the parameters in the monitoring plan.

(b) the proposed revision of the monitoring plan is in accordance with the approved monitoring methodology applicable to the project activity

The revision is related to the description of parameters and equations used when calculating the emission reductions in order to make the calculations more transparent. The proposed revision made for the calculation of project emissions is in accordance with the approved monitoring methodology AMS-I.D “Grid connected renewable electricity generation”.

(c) the findings of previous verification reports, if any, have been taken into account

A forward action request (FAR) was raised to include the parameters for monitoring of project emissions due to diesel consumption during the first verification activity. It has been confirmed by the DNV that the FAR raised is completely taken care during this proposed revision of monitoring plan.

3 Validation Opinion

It is DNVs opinion that the inclusion of the above parameters completes the monitoring plan. Hence, DNV recommends the approval of the request for revision of monitoring plan to include the above mentioned parameters as stated in the revised monitoring plant submitted by the project proponent.

Yours faithfully

for DET NORSKE VERITAS CERTIFICATION AS



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Technical Director
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