

Corporate Office :

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Dated: 1st March 2007

To

UNFCCC CDM Executive Board:

Request for Review:

5 MW wind power project at Baramsar and Soda Mada, District Jaisalmer, Rajasthan, India (0267)

Initial verification report: Comments

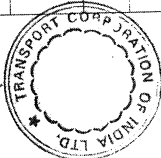
According to the validated monitoring plan, there is only one parameter to be monitored. It is electricity supplied to the regional electricity grid. Electricity sold to the grid is presented monthly in the monitoring report. Electricity generation presented in the monitoring report is stated as "Gross Generation" (please see Section 8 of the monitoring report, table presented in the last two pages – no page numbers are inserted in the monitoring report).

However, electricity generation used for the calculation of GHG mitigation should be the electricity sold to the grid. Electricity exported to the grid is always smaller than the gross generation as a small portion of the electricity is used for auxiliary consumption. This needs to be clarified.

Reply:
Respected Members of the CDM Executive Board:

The generation recording is carried out exactly as per the monitoring plan presented in the PDD of the registered CDM project, reproduced below:

ID number	Data type	Data variable	Data unit	Measured (m), calculated (c) or estimated (e)	Recording frequency	Proportion of data to be monitored	How will the data be archived? (electronic/ paper)	For how long is archived data to be kept?	Comment
1	Electricity supplied to the regional electricity grid	Electricity	kWh	M	Monthly	100%	Electronic & Paper	Two years beyond Crediting period	The metering equipment at the delivery point shall be in accordance with relevant provisions of metering code as applicable for generating stations.

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ID number	Uncertainty level of data (High/Medium/Low)	Explain QA/QC procedures planned for these data, or why such procedures are not necessary.
1	L	<p>The data can be very accurately measured. The meters installed on sub stations (grid interconnection point) will be used to measure mentioned variables on a continuous basis. Every month these meter readings will be recorded by plant personnel, these records will be archived for crosschecking yearly figures. The meters at the sub station will be two-way meters and will be in custody of State Electricity Utility (RVPNL). SEB officials will take the readings in these meters and the same reading may be used to determine the net power wheeled to the user and determine the extent of mitigation of GHG over a period of time.</p> <p>When the main metering system and/or backup metering system and/or any component thereof is found to be outside the acceptable limits of accuracy or otherwise not functioning properly, it shall be repaired, recalibrated or replaced as soon as possible by the project proponent or the state electricity utility (RVPNL).</p>

The metering system implemented at the site is capable of measuring both export of electricity (as generated by the wind machine) as well as import of electricity (when wind machine starts from a stand still condition).

The electricity drawn (commonly known as auxiliary consumption) happens because of the following conditions:

- Grid failure resulting in switch off of the wind machine.
- Planned & unplanned maintenance; requiring machines to switch off
- Lean wind season, when the wind velocity is less than cut in speed of the wind machine, and thus the machine comes to a halt.

The 1.25 MW wind machine installed at the site for the candidate CDM project is equipped with 4 & 6 poles asynchronous generator unit, which needs electricity from the grid to start.

The meters therefore installed at the site follow the grid code of the state government of Rajasthan, India with 0.2 class accuracy levels and facility to measure the export & import of electricity.

The net export is calculated on the basis of monthly performance of the wind machine clearly indicating the electricity generated & electricity consumed by the machine, which forms the basis of the billing for the payment from the state electricity utility (responsible for procuring electricity from the wind machine) as per the power purchase agreement entered between the project proponent and the state utility at the time of implementation of project.

Since the project was implemented in 2 different phases of 2.5 MW each, the word gross appearing in the table in section 8.3 essentially means "TOTAL" of the net exported electricity from two phases in a particular month.

To substantiate the above clarification, please find scanned copies of the invoices raised by TCIL for various months to the state electricity utility clearly indicating the net electricity generated from the project.

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Please advise us, if a complete set of all the invoices for the first monitoring duration is required, the same will be couriered for the consideration / perusal of the members of the CDM executive board.

For any further clarifications please revert to:

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Thanking you,

Yours faithfully,
for Transport Corporation of India Ltd.



A.K. Bansal

Sr. Vice President – Finance & Co. Secretary

