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Att: CDM Executive Board

Your ref.:
 CDM Ref 0045

Our ref.:
 MLEH/ACAP

Date:
 27 August 2007

Response to request for review Cuyamapa Hydroelectric Project (0045)

Dear Members of the CDM Executive Board,

We refer to the requests for review raised by three Board members concerning DNV's request for issuance of CERs for project activity 0045 entitled "Cuyamapa Hydroelectric Project", and we would like to provide the following response to the issue raised by the requests for review.

Comment:

Further clarification is required regarding:

1. *The reasons the daily electricity generations on 16-17 December 2006 are above the maximum generating capacity of the plant.*

DNV Response:

It must be noted that it is not uncommon that a turbine runs at a capacity 5-10% higher than the rated capacity for periods of time. As described in the response by the project participant, the reason for the daily electricity generation exceeding the maximum generation capacity is very large amounts of rain, increasing the volume of water accumulated in the reservoir, thus increasing the gross head. The installed capacity of 12.2 MW stated in the PDD was calculated based on normal conditions. Given the gross head on 16 and 17 of December 2006, this resulted in an increased capacity of 12.49 and 12.44 MW, respectively.

Comment:

Further clarification is required regarding:

2. *How the DOE verified the net electricity generation in October-December 2006 while only partial data was obtained during this period and according to the verification report it "only will be verified until 15 March 2007 when PPA begins."*

DNV Response:

We acknowledge that text in section 3.3 of the verification / certification report may lead to misunderstandings.

Due to the generation logbook not having daily records for all days in the reporting period, the reported net electricity generation was verified as follows (as stated in section 3.5 of the verification / certification report):

- a) Determination of the total accumulative generation in the principal meter at the date of the on-site audit on 7 February 2007 at the 00:00:00 hrs. Physically read as 19 070 MWh.
- b) Determination of the reported generation for the period (29 January 2007 at 00:00:00 hrs – 7 February 2007 at 00:00:00 hrs). Reported as 695 MWh.
- c) Review of the initial reading of the principal metering at the calibration date 06 October 2006. Reported as 0.91 MWh.
- d) Discount the final accumulative generation of 19 070 MWh with the 695 MWh from the generation of the days after the end data of the monitoring period and discount the initial reading from the calibration report 0.91 MWh. This resulted in 18 373 MWh of electricity generation in the reporting period.

DNV also verified that meters were calibrated and correctly locked in order to ensure that no unintentional altering of the meters occurred.

Finally, DNV requested a certification letter from ENEE which confirmed that total net generation.

It must be noted that the only monitoring indicator, i.e. the net electricity generation, has been monitored with calibrated electricity meters as required in the project's monitoring plan.

Comment:

Further clarification is required regarding:

3. How the DOE verified net electricity generation for January 2007 in the "generation certificate" issued by the grid company while the verification report stated that "there is no evidence of January's dispatched trial electricity."

DNV Response:

We acknowledge that text in section 3.3 of the verification / certification report may lead to misunderstandings.


The project participant requested ENEE to submit a generation certificate prior to site visit, which was issued on 29 January 2007. However, this generation certificate only included generation for the period of October 2006-December 2006.

Hence, DNV requested a generation certificate from ENEE which also includes January 2007 generation. This generation certificate was issued on 8 May 2007 and matches the reported electricity generation stated in the monitoring report.

The two generation certificates are included in Appendix A to this response letter.

We sincerely hope that the Board accepts our above explanations.

Yours faithfully
for DET NORSKE VERITAS CERTIFICATION AS


Michael Lehmann
Technical Director
International Climate Change Service


Alfonso Capuchino
Project Manager

Appendix A

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EMPRESA NACIONAL DE ENERGIA ELECTRICA

TEGUCIGALPA, M.D.C., HONDURAS, C.A.

CABLE "ENEE"

APARTADO N° 99

CERTIFICACIÓN

El suscrito, Jefe de la Oficina de Administración de Contratos Compras de Energía de la Empresa Nacional de Energía Eléctrica (ENEE), por este medio certifica que la ENEE ha recibido del Proyecto CUYAMAPA desde el mes de octubre al mes de diciembre/2006, las siguientes cantidades de energía en concepto de pruebas y valoradas como se describe a continuación:

MES	ENERGIA KWh	PRECIO PROMEDIO (US\$/KWh)	TOTAL US\$
Octubre	3,827,437.00	0.063296	242,261.45
Noviembre	6,833,743.00	0.063296	356,593.40
Diciembre	6,010,129.00	0.063296	380,417.13
TOTAL	16,471,309.00	0.063296	979,271.97

Los Datos de energía han sido registrados y declarados por ENETRANS, encontrándose pendiente que la Unidad de Altos Consumidores y el Centro Nacional de Despacho de la ENEE, certifiquen las lecturas de energía entregada. El inicio de Operaciones Comerciales de la central CUYAMAPA esta programado para el 15 de Marzo de 2007, toda la energía entregada por el proyecto hasta esta fecha será facturada como energía de pruebas.

El Precio promedio es 0.057000 US\$/KWh más un incentivo de 0.006296 US\$/KWh correspondiente al 10% del CMCP (Costo Marginal de Corto Plazo) para un total unitario de 0.063296 US\$/KWh (Anexo No.2 del contrato ENEE - ENETRANS).

Para los fines que al interesado convenga, firmo la presente certificación, en la ciudad de Comayagüela, Distrito Central, a los veintinueve días del mes de enero de dos mil siete.

Dr.- Ing. DENNIS ALBERTO RIVERA

cc: archivo



EMPRESA NACIONAL DE ENERGIA ELECTRICA
SUB GERENCIA NOR-OCCIDENTAL
 SAN PEDRO SULA, CORTES
 HONDURAS, C.A.

APARTADO 171

CONSTANCIA

**REGISTRO DE ENERGIA DE LA CENTRAL HIDROELECTRICA
 CUYAMAPA(ENETRAN) EN EL PUNTO DE ENTREGA.**

Mediante el presente documento hacemos constar la producción de energía registrada por el medidor electrónico instalado para la medición de la energía producida por la CENTRAL HIDROELECTRICA CUYAMAPA.

1.- Medidor Marca ION 8500, Serie PQ-0505A073-03

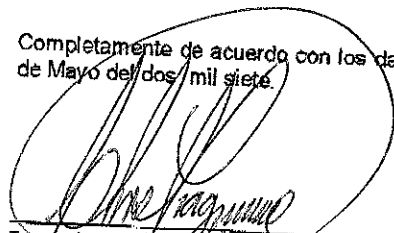
Adjuntamos cuadro que contiene el histórico de lecturas y producción durante el periodo detallado.

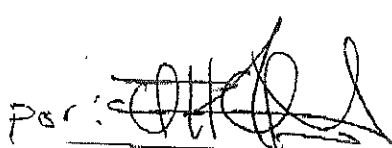
1.- Lectura Anterior 06 de Octubre 2006 10:00 Horas	
Medidores	kwh
ION PQ-0505A073-03	910.000

2.- Lectura Actual 01 de Febrero del 2007 00:00 Horas	
Medidores	kwh
ION PQ-0505A073-03	18,619,156.000

3.- Producción de energía registrada desde el 06 de Octubre del 2006 a las 10:00 horas hasta el 01 de Febrero del 2007 a las 00:00 horas.	
Medidores	Kwh
ION PQ-0505A073-03	18,618,246.000

Completamente de acuerdo con los datos arriba detallados firmamos la presente a los ocho días del mes de Mayo del dos mil siete.


 Ingeniero Christian Ysaguirre
 Central Hidroeléctrica
 CUYAMAPA (ENETRAN)


 Ingeniero Grevil Caballero
 Jefe de Unidad Altos Consumidores ENEE

