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Att: CDM Executive Board

Your ref.:	Our ref.:	Date:
CDM Ref 1320	Brinks/Zhiang Tang	27 November 08

Response to request for review of issuance request for project activity 1320 "Beijing Taiyanggong CCGT Trigeneration Project"

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 for project activity 1320 "Beijing Taiyanggong CCGT Trigeneration Project" and would like to provide the below initial response to the issues raised in the request.

Question 1: The DOE is requested to clarify how it verified the measurement of net electricity supplied to the grid using meters M4 and M5, which were planned to be installed on the two 220kV transmission lines to Sun He power station, that were not commissioned during the verification period.

DNV Response:

As mentioned by PP's response, the project is located in the downtown area of Beijing and designed to connect to the local power grid at Sun He power distribution station with two 220 kV transmission lines. However, the construction of the two 220 kV transmission lines outside the power plant takes more time than expected because there are many underground utility facilities on the way, and the power plant was built faster than these two designed 220 kV transmission lines outside the power plant. The project owner adopted an interim solution by using an existing 220 kV line between a nearby power distribution station (Taiyanggong power distribution station) and Sun He station (refer to the figure on the 2nd page of PP's response). The power plant was allowed to use this line to export electricity to the Sun He station while the designed transmission lines are under construction. The interim transmission line can work the same as the designed transmission line, which is evidenced by the approval letter of commercial operation for the units of Beijing Taiyanggong CCGT Trigeneration Project issued by North China Grid Company on 5 June 2008. PP has provided this document in Chinese version to DNV during site visit and DNV has verified it. In the verification period only one interim transmission line was used, which is evidenced by the preliminary design report for the interim transmission line of Taiyanggong CCGT Trigeneration Project issued by Beijing Power Design Institute on 15 October 2007. PP has provided this Chinese document to DNV during the site visit and DNV has verified it. Through this transmission line, the net electricity supplied to grid is measured by the meter of M4. For the time being M4 is the only meters used till the construction of two 220 kV transmission lines are

finished. So EG_y = M4 + M5 = M4 + 0 = M4. In the site visit, DNV could also confirm that the actual situation is the same as PP's response.

Moreover, DNV has checked the monitoring system in the power plant and can confirm that the monitoring system for the net electricity supplied to grid is fully in line with methodology and PDD. The net electricity supplied to the grid is monitored by means of two meters M4 and M5, which are two-way meters. M4 and M5 with the accuracy of 0.2S level were calibrated by Power Industry Department Measurement and Testing Centre in North China, which is evidenced by calibration reports for the electricity meters issued by Power Industry Department Measurement and Testing Centre in North China on 4 September 2007. The calibration reports have been checked by DNV. As evidenced by the calibration reports, using one meter M4, the measurement result is as accurate as using M4 and M5, and net electricity supplied to grid can be measured accurately. DNV also checked the monthly reports in the verification period and the gross electricity generation and the auxiliary electricity consumption (backup data as described in PDD) and found they are in line with the result of measurement of M4 and M5. Finally, DNV checked the electricity sales receipts from Grid Company for cross-checking, and can confirm that the electricity sales receipts could match the measurement result of the net electricity supplied to grid by M4 and M5, which has been described in section 2.3.2 in the verification report. So DNV can give the conclusion that the measurement of net electricity supplied to the grid using meters M4 and M5 is credible and in line with methodology and PDD.

We sincerely hope that the Board accepts our above explanations.

Yours faithfully
for DET NORSKE VERITAS CERTIFICATION AS

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