

This Form 6-K consists of:

an announcement on issue of short-term debentures of Huaneng Power International, Inc. (the “Registrant”), made by the Registrant on March 30, 2010.

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OVERSEAS REGULATORY ANNOUNCEMENT
ISSUE OF SHORT-TERM DEBENTURES

This announcement is made by Huaneng Power International, Inc. (the "Company") pursuant to Rule 13.09(2) of the Rules Governing the Listing of Securities on The Stock Exchange of Hong Kong Limited.

As resolved at the 2008 annual general meeting of the Company held on 18 June 2009, the Company has been given a mandate to issue within the PRC short-term debentures of a principal amount not exceeding RMB10 billion (in either one or multiple tranches) within 12 months from the date on which the shareholders' approval was obtained.

The Company has completed the issue of the first tranche of the Company's short-term debenture for 2010 on 24 March 2010 (the "Debenture"). The total issuing amount of the Debenture was RMB5 billion with a maturity period of 270 days, unit face value of RMB100 and interest rate of 2.55%.

China Construction Bank Limited acts as the lead underwriter to form the underwriting syndicate for the Debenture, which will be placed through book-building and issued in the national inter-bank bond market of the PRC. The proceeds from the Debenture will mainly be used to repay bank loans, improve financial structure of the Company, and supplement the short term working capital for operation.

The relevant documents in respect of the Debenture are posted on www.chinamoney.com.cn and www.chinabond.com.cn

The Debenture does not constitute any transaction under Chapter 14 and Chapter 14A of the

Rules Governing the Listing of Securities on The Stock Exchange of Hong Kong Limited.

By order of the Board
Gu Biquan
Company Secretary

As at the date of this announcement, the directors of the Company are:

Cao Peixi
(Executive Director)

Huang Long
(Non-executive Director)

Wu Dawei
(Non-executive Director)

Huang Jian
(Non-executive Director)

Liu Guoyue
(Executive Director)

Fan Xiaxia
(Executive Director)

Shan Qunying
(Non-executive Director)

Xu Zujian
(Non-executive Director)

Huang Mingyuan
(Non-executive Director)

Liu Shuyuan
(Non-executive Director)

Liu Jipeng
(Independent Non-executive Director)

Yu Ning
(Independent Non-executive Director)

Shao Shiwei
(Independent Non-executive Director)

Zheng Jianchao
(Independent Non-executive Director)

Wu Liansheng
(Independent Non-executive Director)

Beijing, the PRC
30 March 2010

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the under-signed, thereunto duly authorized.

HUANENG POWER INTERNATIONAL, INC.

By	/s/ Gu Biquan
Name:	Gu Biquan
Title:	Company Secretary

Date: March 30, 2010