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華能國際電力股份有限公司

HUANENG POWER INTERNATIONAL, INC.

(a Sino-foreign joint stock limited company incorporated in the People's Republic of China)

(Stock Code: 902)

NOTICE OF 2018 FIRST EXTRAORDINARY GENERAL MEETING

NOTICE IS HEREBY GIVEN that the 2018 first extraordinary general meeting (the “**Extraordinary General Meeting**”) of Huaneng Power International, Inc. (the “**Company**”) will be held at 9:00 a.m. on 30 January 2018 at Conference Room A102, Huaneng Building, 6 Fuxingmennei Street, Xicheng District, Beijing, the People’s Republic of China for considering and approving the following resolutions:

ORDINARY RESOLUTIONS

1. To consider and approve the proposal regarding the continuing connected transactions for 2018 between the Company and Huaneng Group. *(Note 1)*
2. To consider and approve the proposal regarding the Acceptance of the guaranteed loans for working capital relating to Sahiwal Project in Pakistan by Shandong Company. *(Note 1)*

By Order of the Board
Huaneng Power International, Inc.
Huang Chaoquan
Company Secretary

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

Cao Peixi (*Executive Director*)

Liu Guoyue (*Executive Director*)

Fan Xiaxia (*Executive Director*)

Huang Jian (*Non-executive Director*)

Wang Yongxiang (*Non-executive Director*)

Mi Dabin (*Non-executive Director*)

Guo Hongbo (*Non-executive Director*)

Cheng Heng (*Non-executive Director*)

Lin Chong (*Non-executive Director*)

Yue Heng (*Independent Non-executive Director*)

Xu Mengzhou (*Independent Non-executive Director*)

Liu Jizhen (*Independent Non-executive Director*)

Xu Haifeng (*Independent Non-executive Director*)

Zhang Xianzhi (*Independent Non-executive Director*)

Beijing, the PRC

15 December 2017

Notes:

1. Please refer to the Company's announcement dated 13 December 2017 and circular to be issued before the Extraordinary General Meeting for details.
2. Proxy
 - (i) A member eligible to attend and vote at the Extraordinary General Meeting is entitled to appoint, in written form, one or more proxies to attend and vote on his behalf. A proxy needs not be a shareholder.
 - (ii) A proxy should be appointed by a written instrument signed by the appointor or its attorney duly authorised in writing. If the form of proxy is signed by the attorney of the appointor, the power of attorney authorising that attorney to sign or other authorisation document(s) shall be notarised.
 - (iii) To be valid, the power of attorney or other authorisation document(s) which have been notarised together with the completed form of proxy must be delivered, in the case of holders of Domestic Shares, to the Company and, in the case of holders of H Shares, to the H Share registrar of the Company Hong Kong Registrars Limited, at 17M Floor, Hopewell Centre, 183 Queen's Road East, Wanchai, Hong Kong, not less than 24 hours before the time designated for holding of the Extraordinary General Meeting.
 - (iv) If more than one proxy is appointed by a shareholders such proxies shall only exercise the right to vote by poll.
 - (v) The resolutions set out in this Notice will be voted by poll.
3. Registration procedures for attending the Extraordinary General Meeting
 - (i) A shareholder or his proxy shall produce proof of identity when attending the meeting. If a shareholder is a legal person, its legal representative or other persons authorised by the board of directors or other governing body of such shareholder may attend the Extraordinary General Meeting by producing a copy of the resolution of the board of directors or other governing body of such shareholder appointing such persons to attend the meeting.
 - (ii) Holders of H Shares intending to attend the Extraordinary General Meeting should return the reply slip for attending the Extraordinary General Meeting to the Company on or before 10 January 2018.
 - (iii) Shareholders may send the reply slip to the Company in person, by post or by fax.
4. Closure of H Share register members

Closure of register of members for the Extraordinary General Meeting

In order to determine the shareholders of H shares who will be entitled to attend the Extraordinary General Meeting, the Company will suspend registration of transfer of shares from 10 January 2018 to 30 January 2018 (both days inclusive).

In order to qualify to attend the Extraordinary General Meeting, shareholders of H shares of the Company whose transfer documents have not been registered must deposit the transfer documents accompanied by relevant share certificates to the Company's H Share Registrar, Hong Kong Registrar Limited at Shops 1712-1716, 17th Floor, Hopewell Centre, 183 Queen's Road East, Wanchai, Hong Kong by no later than 4:30 p.m. on 9 January 2018. Holders of H shares whose names are recorded in the register of member of the Company on 10 January 2018 are entitled to attend the Extraordinary General Meeting.

5. Other Businesses

(i) The Extraordinary General Meeting will last for half day. Shareholders and their proxies who attend the Extraordinary General Meeting shall bear their own travelling and accommodation expenses.

(ii) The address of the Share Registrar for H Shares of the Company, Hong Kong Registrars Limited, is at:

Shops 1712-1716, 17th Floor, Hopewell Centre
183 Queen's Road East, Wanchai
Hong Kong

(iii) The business address and contact of the Company are:

Capital Market Department
Huaneng Power International, Inc.
Huaneng Building,
6 Fuxingmennei Street,
Xicheng District, Beijing 100031,
The People's Republic of China
Contact: Xie Meixin/Zhou Di
Telephone No.: (+86)-10-6322 6590/6322 6599
Facsimile No.: (+86)-10-6322 6888
Email: xiemx@hpi.com.cn

(iv) Time and dates in this notice are Hong Kong time and dates.