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

(Stock Code: 902)

SUPPLEMENTAL NOTICE OF 2020 SECOND EXTRAORDINARY GENERAL MEETING

Reference is made to the notice (the "Notice of the Extraordinary General Meeting") of the 2020 second extraordinary general meeting (the "Extraordinary General Meeting" or "General Meeting") issued on 6 November 2020 of Huaneng Power International, Inc. (the "Company") for convening the Extraordinary General Meeting to be held at Conference Room A102, the headquarters of the Company, Huaneng Building, No. 6 Fuxingmennei Street, Xicheng District, Beijing, the People's Republic of China on 22 December 2020 at 9:00 a.m. for considering and approving, if thought fit, the resolutions set out in the Notice of the Extraordinary General Meeting.

SUPPLEMENTAL NOTICE IS HEREBY GIVEN that the Extraordinary General Meeting of the Company will be held and the following resolutions will be considered:

ORDINARY RESOLUTIONS

- 1. To consider and approve the proposal regarding the continuing connected transactions for 2021 between the Company and Huaneng Group (*Note 1*);
- 2. To consider and approve the proposal regarding the capital increase of Shengdong Offshore Wind Power (*Note 1*);
- 3. To consider and approve the proposal regarding the capital increase and share expansion of Huaneng Yantai Renewable Energy (*Note 1*);
- 4. To consider and approve the proposal regarding the provision of guarantee by Shandong Company to its subsidiary (*Note 1*); and
- 5. To consider and approve the proposal regarding the election of a director (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:

Zhao Keyu (Executive Director)
Zhao Ping (Executive Director)
Huang Jian (Non-executive Director)
Wang Kui (Non-executive Director)
Lu Fei (Non-executive Director)
Teng Yu (Non-executive Director)
Mi Dabin (Non-executive Director)
Cheng Heng (Non-executive Director)
Guo Hongbo (Non-executive Director)
Lin Chong (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)
Xia Qing (Independent Non-executive Director)

Beijing, the PRC 2 December 2020

Notes:

- 1. Please refer to the circular of the Company which is expected to be despatched on or about 7 December 2020 for details.
- 2. The Second Proxy Form
 - (1) The new proxy form for the Extraordinary General Meeting (the "Second Proxy Form"), which supersedes the proxy form for the Extraordinary General Meeting issued by the Company along with the Notice of the Extraordinary General Meeting on 6 November 2020 (the "Proxy Form"), has been prepared and is enclosed with this Supplemental Notice.
 - (2) Whether or not you are able to attend the Extraordinary General Meeting, you are requested to complete the accompanying Second Proxy Form in accordance with the instructions printed thereon and return the same to the Company's H Share Registrar, Hong Kong Registrar Limited, at 17M Floor, Hopewell Centre, 183 Queen's Road East, Wan Chai, Hong Kong as soon as practicable and in any event not less than 24 hours before the time appointed for the holding of the Extraordinary General Meeting or any adjournment thereof (as the case may be) (the "Closing Time"). Completion and return of the Second Proxy Form will not preclude the shareholders of the Company from attending and voting in person at the Extraordinary General Meeting or any adjournment thereof.

- (3) H shareholder who has not yet lodged the Proxy Form with the Company's H Share Registrar is requested to lodge the Second Proxy Form if he/she wishes to appoint a proxy to attend the Extraordinary General Meeting on his/her behalf. In this case, the Proxy Form should not be lodged with the Company's H Share Registrar.
- (4) H shareholder who has already lodged the Proxy Form with the Company's H Share Registrar should note that:
 - (i) the Second Proxy Form lodged with the Company's H Share Registrar before the Closing Time will revoke and supersede the Proxy Form previously lodged by him/her. The Second Proxy Form will be treated as a valid form of proxy lodged by the shareholder if correctly completed;
 - (ii) if no Second Proxy Form is lodged with the Company's H Share Registrar, the Proxy Form will remain valid and effective to the fullest extent applicable if correctly completed. The proxy appointed under the Proxy Form will also be entitled to vote in accordance with the instructions previously given by the shareholder or at his/her discretion (if no such instructions are given) on any resolution properly put to the Extraordinary General Meeting including the Proposal regarding the election of a director which was not set out in the Proxy Form.
- 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 1 December 2020.
 - (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 2 December 2020 to 22 December 2020 (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 Registrars 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 1 December 2020. Holders of H shares whose names are recorded in the register of member of the Company on 2 December 2020 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

Telephone No.: (+86)-10-6322 6590 Facsimile No.: (+86)-10-6322 6888

Email: xiemx@hpi.com.cn

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