

This Form 6-K consists of:

An announcement on monthly return of Huaneng Power International, Inc. (the “Registrant”), made by the Registrant on August 3, 2010.

For Main Board and GEM listed issuers

2. Preference Shares

Stock code : N/A Description :

| | No. of preference shares | Par value (State currency) | Authorised share capital (State currency) |
|-------------------------------------|-----------------------------|-------------------------------|--|
| Balance at close of preceding month | | | |
| Increase/(decrease) | | | |
| Balance at close of the month | | | |

3. Other Classes of Shares

Stock code : N/A Description :

| | No. of other classes of shares | Par value (State currency) | Authorised share capital (State currency) |
|-------------------------------------|-----------------------------------|-------------------------------|--|
| Balance at close of preceding month | | | |
| Increase/(decrease) | | | |
| Balance at close of the month | | | |

Total authorised share capital at the end of the month (RMB) : 12,055, 383,440

For Main Board and GEM listed issuers

II. Movements in Issued Share Capital

| | (1) | (2) | No of preference shares | No. of other classes of shares |
|--|---------|---------------|-------------------------|--------------------------------|
| Balance at close of 3,055, preceding month | 383,440 | 9,000,000,000 | N/A | N/A |
| Increase/ (decrease) during the month | 0 | 0 | | |
| Balance at close of 3,055, the month | 383,440 | 9,000,000,000 | | |

III. Details of Movements in Issued Share Capital

Share Options (under Share Option Schemes of the Issuer): N/A

| Particulars of share option scheme including EGM approval date (dd/mm/yyyy) and class of shares issuable | Movement during the month | | | | No. of new shares of issuer issued during the month pursuant thereto | No. of new shares of issuer which may be issued pursuant thereto as at close of the month |
|--|---------------------------|-----------|-----------|--------|--|---|
| | Granted | Exercised | Cancelled | Lapsed | | |
| 1. | | | | | | |
| (/ /) shares (Note 1) | | | | | | |
| 2. | | | | | | |
| (/ /) shares (Note 1) | | | | | | |
| 3. | | | | | | |
| (/ /) shares (Note 1) | | | | | | |
| Total A. (Ordinary shares) | | | | | | |

(Preference shares)

(Other class)

Total funds raised during the month from exercise of
options (State currency)

For Main Board and GEM listed issuers

Warrants to Issue Shares of the Issuer which are to be Listed: N/A

| Description of warrants (Date of expiry - dd/mm/yyyy) | Currency of nominal value | Nominal value at close of preceding month | Exercised during the month | Nominal value at close of the month | No. of new shares of issuer issued during the month pursuant thereto | No. of new shares of issuer which may be issued pursuant thereto as at close of the month |
|--|---------------------------------|--|----------------------------------|---|---|---|
| 1. (/ /) Stock code (if listed) Class of shares issuable (Note 1) Subscription price EGM approval date (if applicable) (dd/mm/yyyy) | | | | | | |
| 2. (/ /) Stock code (if listed) Class of shares issuable (Note 1) Subscription price EGM approval date (if applicable) (dd/mm/yyyy) | | | | | | |
| 3. (/ /) Stock code (if listed) Class of shares issuable (Note 1) Subscription price EGM approval date (if applicable) (dd/mm/yyyy) | | | | | | |

(dd/mm/yyyy)

4.

(/ /)

Stock code (if listed)

Class of shares

issuable (Note 1)

Subscription price

EGM approval date

(if applicable)

(dd/mm/yyyy)

(/ /)

Total B. (Ordinary shares)

(Preference shares)

(Other class)

For Main Board and GEM listed issuers

Convertibles (i.e. Convertible into Shares of the Issuer which are to be Listed): N/A

| Class and description | Currency of amount outstanding | Amount at close of preceding month | Converted during the month | Amount at close of the month | No. of new shares of issuer issued during the month pursuant thereto | No. of new shares of issuer which may be issued pursuant thereto as at close of the month |
|---|--------------------------------|------------------------------------|----------------------------|------------------------------|--|---|
| 1. Stock code (if listed) Class of shares issuable (Note 1) Subscription price EGM approval date (if applicable) (dd/mm/yyyy) | | | | | | |
| 2. Stock code (if listed) Class of shares issuable (Note 1) Subscription price EGM approval date (if applicable) (dd/mm/yyyy) | (/ /) | | | | | |
| 3. Stock code (if listed) Class of shares issuable (Note 1) Subscription price EGM approval date (if applicable) (dd/mm/yyyy) | (/ /) | | | | | |
| 4. Stock code (if listed) Class of shares issuable (Note 1) Subscription price EGM approval date (if applicable) (dd/mm/yyyy) | (/ /) | | | | | |

(dd/mm/yyyy)

4.

Stock code (if listed)

Class of shares issuable (Note 1)

Subscription price

EGM approval date

(if applicable)

(dd/mm/yyyy)

(/ /)

Total C. (Ordinary shares)

(Preference shares)

(Other class)



For Main Board and GEM listed issuers

Any other Agreements or Arrangements to Issue Shares of the Issuer which are to be Listed, including Options (other than under Share Option Schemes) : N/A

| | No. of new shares of issuer issued during the month pursuant thereto | No. of new shares of issuer which may be issued pursuant thereto as at close of the month |
|--|--|--|
| Full particulars including EGM approval date (dd/mm/yyyy), if applicable, and class of shares issuable: | | |

1.

(/ /)
shares (Note 1)

2.

(/ /)
shares (Note 1)

3.

(/ /)
shares (Note 1)

Total D. (Ordinary shares)
(Preference shares)
(Other class)

For Main Board and GEM listed issuers

Other Movements in Issued Share Capital: N/A

| Type of Issue | | | No. of new shares of issuer issued during the month pursuant thereto | No. of new shares of issuer which may be issued pursuant thereto as at close of the month |
|-----------------|-----------------------------|--|--|---|
| 1. Rights issue | At priceState : currency | Class of shares _____ issuable (Note 1) Issue and allotment (/ /) date : (dd/mm/yyyy) (/ /) EGM approval date: (dd/mm/yyyy) | | |
| 2. Open offer | At priceState : currency | Class of shares _____ issuable (Note 1) Issue and allotment (/ /) date : (dd/mm/yyyy) (/ /) EGM approval date: (dd/mm/yyyy) | | |
| 3. Placing | At priceState : currency | Class of shares _____ issuable (Note 1) Issue and allotment (/ /) date : (dd/mm/yyyy) (/ /) EGM approval date: (dd/mm/yyyy) | | |
| 4. Bonus issue | | | | |

Class of shares _____
issuable (Note 1)

Issue and allotment (/ /)
date :
(dd/mm/yyyy)

(/ /)

EGM approval date:
(dd/mm/yyyy)

For Main Board and GEM listed issuers

| Type of Issue | No. of new shares of issuer issued during the month pursuant thereto | No. of new shares of issuer which may be issued pursuant thereto as at close of the month |
|-------------------------|--|---|
| 5. Scrip dividend | At price : State currency | Class of shares _____ issuable (Note 1) |
| | | Issue and allotment (/ /) date : (dd/mm/yyyy) |
| | | EGM approval date: (/ /) (dd/mm/yyyy) |
| 6. Repurchase of shares | | Class of shares _____ repurchased (Note 1) |
| | | Cancellation date : (/ /) (dd/mm/yyyy) |
| | | EGM approval date: (/ /) (dd/mm/yyyy) |
| 7. Redemption of shares | | Class of shares _____ redeemed (Note 1) |
| | | Redemption date : (/ /) (dd/mm/yyyy) |
| | | EGM approval date: (/ /) (dd/mm/yyyy) |
| 8. Consideration issue | At price : State currency | Class of shares _____ issuable (Note 1) |

Issue and allotment (/ /)
date : (dd/mm/yyyy)

EGM approval date: (/ /)
(dd/mm/yyyy)

For Main Board and GEM listed issuers

| Type of Issue | No. of new shares of issuer issued during the month pursuant thereto | No. of new shares of issuer which may be issued pursuant thereto as at close of the month |
|--|---|--|
| <p>9. Capital reorganisation</p> | <p>Class of shares _____ issuable (Note 1)</p> <p>Issue and allotment date : (/ /) (dd/mm/yyyy)</p> <p>(/ /)</p> <p>EGM approval date: (dd/mm/yyyy)</p> | |
| <p>10. Other (Please specify) At price : State currency</p> | <p>Class of shares _____ issuable (Note 1)</p> <p>Issue and allotment date : (/ /) (dd/mm/yyyy)</p> <p>(/ /)</p> <p>EGM approval date: (dd/mm/yyyy)</p> | |
| | <p>Total E. (Ordinary shares) (Preference shares) (Other class)</p> | |
| <p>Total increase / (decrease) in ordinary shares during the month (i.e. Total of A to E):</p> | <p>(1)</p> | <p>0</p> |
| | <p>(2)</p> | <p>0</p> |
| <p>Total increase / (decrease) in preference shares during the month (i.e. Total of A to E):</p> | | <p>N/A</p> |
| <p>Total increase / (decrease) in other classes of shares during the month (i.e. Total of A to E):</p> | | <p>N/A</p> |

(These figures should be the same as the relevant figures under II above (“Movements in Issued Share Capital”).)

For Main Board and GEM listed issuers

Remarks (if any):

Submitted by: Biquan Gu

Title: Company Secretary
(Director, Secretary or other duly authorised officer)

Notes :

1. State the class of shares (e.g. ordinary, preference or other).
 2. If there is insufficient space, please append the prescribed continuation sheet.
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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: August 3, 2010