DIRECTORS' RESPONSIBILITY FOR THE CONTENTS OF THIS PROSPECTUS

This prospectus, for which the Directors collectively and individually accept full responsibility, includes particulars given in compliance with the Hong Kong Companies Ordinance, the Securities and Futures (Stock Market Listing) Rules of Hong Kong and the Listing Rules for the purpose of giving information to the public with regard to the Group. The Directors, having made all reasonable enquiries, confirm that to the best of their knowledge and belief the information contained in this prospectus is accurate and complete in all material respects and not misleading or deceptive, and there are no other matters the omission of which would make any statement herein or this prospectus misleading.

CSRC APPROVAL

The CSRC issued an approval letter on November 8, 2010 for the Global Offering and for the submission of the application to list our H Shares on the Stock Exchange. In granting its approval, the CSRC accepts no responsibility for our financial soundness, nor for the accuracy of any of the statements made or opinions expressed in this prospectus or in the Application Forms.

UNDERWRITING

This prospectus is published solely in connection with the Hong Kong Public Offering. For applicants under the Hong Kong Public Offering, this prospectus and the related Application Forms contain the terms and conditions of the Hong Kong Public Offering. The Global Offering comprises the Hong Kong Public Offering of initially 248,572,000 H Shares and the International Offering of initially 2,237,138,000 H Shares (subject, in each case, to reallocation on the basis described in the section headed "Structure of the Global Offering" in this prospectus).

The listing of our H Shares on the Stock Exchange is sponsored by the Joint Sponsors. Pursuant to the Hong Kong Underwriting Agreement, the Hong Kong Public Offering is underwritten by the Hong Kong Underwriters on a conditional basis, with one of the conditions being that the Offer Price is agreed between the Joint Bookrunners, on behalf of the Underwriters, and us. The International Offering is managed by the Joint Bookrunners and is expected to be underwritten by the International Underwriters. The International Underwriting Agreement is expected to be entered into on or about June 3, 2011, subject to agreement on the Offer Price between the Company and the Joint Bookrunners, on behalf of the Underwriters. If, for any reason, the Offer Price is not agreed between the Company and the Joint Bookrunners, on behalf of the Underwriters on or before June 8, 2011, or such later date or time as may be agreed between the Joint Bookrunners (on behalf of the Underwriters) and the Company, the Global Offering will not proceed. Further details about the Underwriters and the underwriting arrangements are contained in the section headed "Underwriting" in this prospectus.

DETERMINATION OF THE OFFER PRICE

The Offer Shares are being offered at the Offer Price which will be determined by the Joint Bookrunners (on behalf of the Underwriters) and the Company on or around June 3, 2011, and in any event no later than June 8, 2011.

If the Joint Bookrunners (on behalf of the Underwriters) and the Company are unable to reach an agreement on the Offer Price on or before June 8, 2011, or such later date or time as may be agreed between the Joint Bookrunners (on behalf of the Underwriters) and the Company, the Global Offering will not become unconditional and will lapse.

RESTRICTIONS ON SALE OF SHARES

No action has been taken to permit a public offering of the Offer Shares or the general distribution of this prospectus and/or the related Application Forms in any jurisdiction other than Hong Kong. Accordingly, this prospectus may not be used for the purposes of, and does not constitute, an offer or invitation in any jurisdiction or in any circumstances in which such an offer or invitation is not authorized or to any person to whom it is unlawful to make such an offer or invitation. The distribution of this prospectus and the offering and sales of the Offer Shares in other jurisdictions are subject to restrictions and may not be made except as permitted under the applicable securities laws of such jurisdictions pursuant to registration with or authorization by the relevant securities regulatory authorities or an exemption therefrom. Each person acquiring the Hong Kong Offer Shares under the Hong Kong Public Offering will be required to confirm, or be deemed by his acquisition of Hong Kong Offer Shares to confirm, that he is aware of the restrictions on offers and sales of the Offer Shares described in this prospectus. In particular, the Offer Shares have not been offered or sold, and will not be offered or sold, directly or indirectly, in the PRC.

The Offer Shares are offered for subscription solely on the basis of the information contained and representations made in this prospectus and related Application Forms, and on the terms and subject to the conditions set out herein and therein. No person is authorized in connection with the Global Offering to give any information, or to make any representation, not contained in this prospectus, and any information or representation not contained in this prospectus must not be relied upon as having been authorized by the Company, the Sole Global Coordinator, the Joint Bookrunners, the Joint Sponsors, the Underwriters, any of their respective directors, supervisors, agents or advisers or any other persons or parties involved in the Global Offering. For further details of the structure of the Global Offering, including its conditions, and the procedures for applying for Hong Kong Offer Shares, see "Structure of the Global Offering," "How to Apply for the Hong Kong Offer Shares" and the relevant Application Forms.

APPLICATION FOR LISTING ON THE STOCK EXCHANGE

We have applied to the Listing Committee for the listing of, and permission to deal in, our H Shares, including: (i) any H Shares which may be issued by us pursuant to the Global Offering and upon the exercise of the Over-allotment Option; and (ii) any H Shares, converted from Domestic Shares, which are to be held by the NSSF (including such Domestic Shares converted to H Shares and transferred by Huaneng Group and Huaneng Capital to the NSSF and such additional Domestic Shares converted to H Shares to be further transferred to the NSSF by Huaneng Group and Huaneng Capital upon the exercise of the Over-allotment Option, in each case, pursuant to the relevant regulations in relation to the reduction of State-owned shares). Our Domestic Shares may be converted to H Shares after obtaining the approval of the CSRC or the authorized approval authorities of the State Council, details of which are set out in the section headed "Share Capital — Conversion of Our Domestic Shares into H Shares."

Save as disclosed herein, no part of the share or loan capital of the Company is listed on or dealt in on any other stock exchange and no such listing or permission to list is being or is proposed to be sought in the near future.

Under section 44B(1) of the Hong Kong Companies Ordinance, any allotment made in respect of any application will be invalid if the listing of, and permission to deal in, the Offer Shares on the Stock Exchange is refused before the expiration of three weeks from the date of the closing of the application lists, or such longer period (not exceeding six weeks) as may, within the said three weeks, be notified to the Company by the Stock Exchange.

REGISTRATION OF SUBSCRIPTION, PURCHASE AND TRANSFER OF H SHARES

We have instructed the H Share Registrar, and the H Share Registrar has agreed, not to register the subscription, purchase or transfer of any H Shares in the name of any particular holder unless the holder delivers a signed form to the H Share Registrar in respect of those H Shares bearing statements to the effect that the holder:

- (a) agrees with us and each of our Shareholders, and we agree with each Shareholder, to observe and comply with the Company Law, the Special Regulations and our Articles of Association;
- (b) agrees with us, each of our Shareholders, Directors, Supervisors, managers and officers, and we, acting for ourselves and for each of our Directors, Supervisors, managers and officers agree with each Shareholder, to refer all differences and claims arising from our Articles of Association or any rights or obligations conferred or imposed by the Company Law or other relevant laws and administrative regulations concerning our affairs to arbitration in accordance with our Articles of Association, and any reference to arbitration shall be deemed to authorize the arbitration tribunal to conduct hearings in open session and to publish its award, which shall be final and conclusive;
- (c) agrees with us and each of our Shareholders that our H Shares are freely transferable by the holders of our H Shares; and
- (d) authorizes us to enter into a contract on his or her behalf with each of our Directors, Supervisors, managers and officers whereby such Directors, Supervisors, managers and officers undertake to observe and comply with their obligations to our Shareholders as stipulated in our Articles of Association.

H SHARE REGISTER AND STAMP DUTY

All H Shares issued pursuant to applications made in the Hong Kong Public Offering and the International Offering will be registered on the Company's H Share register of members to be maintained in Hong Kong. We will maintain the Company's principal register of members at our current registered office in the PRC.

Dealings in our H Shares registered in the H Share register of members of the Company in Hong Kong will be subject to Hong Kong stamp duty.

Unless determined otherwise by the Company, dividends payable in Hong Kong dollars in respect of our H Shares will be paid to the Shareholders listed on the H Share register of the Company in Hong Kong, by ordinary post, at the Shareholders' risk, to the registered address of each Shareholder of the Company.

SHARES WILL BE ELIGIBLE FOR ADMISSION INTO CCASS

Subject to the granting of listing of, and permission to deal in, our H Shares on the Stock Exchange and the Company's compliance with the stock admission requirements of HKSCC, our H Shares will be accepted as eligible securities by HKSCC for deposit, clearance and settlement in CCASS with effect from the date of commencement of dealings in our H Shares on the Stock Exchange or any other date as HKSCC chooses. Settlement of transaction between participants of the Stock Exchange is required to take place in CCASS on the second Business Day after any trading day. All activities under CCASS are subject to the General Rules of CCASS and CCASS Operational Procedures in effect from time to time. All necessary arrangements have been made for our H Shares to be admitted into CCASS.

PROFESSIONAL TAX ADVICE RECOMMENDED

Applicants for the Offer Shares are recommended to consult their professional advisers if they are in any doubt as to the taxation implications of holding and dealing in our H Shares. It is emphasized that none of the Company, the Underwriters, the Sole Global Coordinator, the Joint Bookrunners, the Joint Sponsors, any of their respective directors, supervisors, agents or advisers or any other person involved in the Global Offering accepts responsibility for any tax effects or liabilities of holders of Shares resulting from the subscription, purchase, holding or disposal of our H Shares.

OVER-ALLOTMENT AND STABILIZATION

In connection with the Global Offering, the Joint Bookrunners (on behalf of the International Underwriters) or any person acting for them may over-allot or effect transactions with a view to prevent a decline in the market price of our H Shares for a limited period after the issue date. However, there is no obligation on the Joint Bookrunners or any person acting for them to do this. Such stabilization action, if taken, may be discontinued at any time and is required to be brought to an end after a limited period. In Hong Kong and certain other jurisdictions, activity aimed at reducing the market price is prohibited, and the price at which stabilization is effected is not permitted to exceed the Offer Price.

In connection with the Global Offering, the Company intends to grant to the Joint Bookrunners (on behalf of the International Underwriters) the Over-allotment Option, which will be exercisable in full or in part by the Joint Bookrunners (on behalf of the International Underwriters) for up to 30 days after the last day for the lodging of applications under the Hong Kong Public Offering. Pursuant to the Over-allotment Option, the Company may be required to issue and allot at the Offer Price up to an aggregate of 372,856,000 additional H Shares, representing approximately 15% of the total number of H Shares initially available under the Global Offering, in connection with over-allocations in the Global Offering, if any.

Further details with respect to stabilization and the Over-allotment Option are set out in the section headed "Underwriting — Stabilization and Over-allotment" of this prospectus.

PROCEDURES FOR APPLICATION FOR SHARES

The procedures for applying for the Hong Kong Offer Shares are set out in the section headed "How to Apply for the Hong Kong Offer Shares" and on the relevant Applications Forms.

STRUCTURE OF THE GLOBAL OFFERING

Details of the structure of the Global Offering, including its conditions, are set out in the section headed "Structure of the Global Offering" in this prospectus.

LANGUAGE

The English names of the PRC nationals, entities, departments, facilities, certificates, titles, laws, regulations and the like are translations of their Chinese names and are included for identification purposes only. If there is any inconsistency, the Chinese name prevails.

ROUNDING

Certain amounts and percentage figures included in this prospectus have been subject to rounding adjustments, or have been rounded to one decimal place. Any discrepancies in any table or chart between the total shown and the sum of the amounts listed are due to rounding.

MARKET SHARE DATA

The statistical and market share information contained in this prospectus has been derived from official government publications, market data providers and other Independent Third Party sources. Unless otherwise indicated, the information has not been verified by us independently. This statistical information may not be consistent with other statistical information from other sources within or outside China. Our Directors have reproduced the data and statistics extracted from such official government publications and other sources in a reasonably cautious manner.

EXCHANGE RATE CONVERSION

Solely for your convenience, this prospectus contains translations among certain amounts denominated in Renminbi, Hong Kong dollars and U.S. dollars. Unless indicated otherwise, (i) the translations between Renminbi and Hong Kong dollars were made at the rate of RMB0.8359 to HK\$1.00, being the PBOC rate prevailing on May 20, 2011, (ii) the translations between Renminbi and U.S. dollars were made at the rate of RMB6.4983 to US\$1.00, being the PBOC rate prevailing on May 20, 2011, and (iii) the translations between U.S. dollars and Hong Kong dollars were made at the rate of HK\$7.7733 to US\$1.00, being the exchange rate on May 20, 2011 set forth in the H.10 statistical release of the Federal Reserve Board. No representation is made that the amounts denominated in one currency could actually be converted into the amounts denominated in another currency at the rates indicated or at all. Any discrepancies in any table between totals and sums of amounts listed therein are due to rounding. Further information on exchange rates is set forth in "Appendix VII — Taxation and Foreign Exchanges."