

CONFORMED COPY

LOAN NUMBER 2955 CHA

(Beilungang Thermal Power Extension Project)

between

PEOPLE'S REPUBLIC OF CHINA

and

INTERNATIONAL BANK FOR RECONSTRUCTION  
AND DEVELOPMENT

Dated October 20, 1988

LOAN NUMBER 2955 CHA

LOAN AGREEMENT

AGREEMENT, dated October 20, 1988, between PEOPLE'S REPUBLIC OF CHINA (the Borrower) and INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT (the Bank).

WHEREAS: (A) the Borrower, having satisfied itself as to the feasibility and priority of the Project described in Schedule 2 to this Agreement, has requested the Bank to assist in the financing of the Project;

(B) the Project will be carried out by Zhejiang Provincial Electric Power Bureau (ZPEPB) with the Borrower's assistance and, as part of such assistance, the Borrower will make available to ZPEPB the proceeds of the Loan as provided in this Agreement; and

WHEREAS the Bank has agreed, on the basis, inter alia, of the foregoing, to extend the Loan to the Borrower upon the terms and conditions set forth in this Agreement and in the Project Agreement of even date herewith between the Bank and ZPEPB;

NOW THEREFORE the parties hereto hereby agree as follows:

ARTICLE I

General Conditions; Definitions

Section 1.01. The "General Conditions Applicable to Loan and Guarantee Agreements" of the Bank, dated January 1, 1985, with the last sentence of Section 3.02 deleted (the General Conditions) constitute an integral part of this Agreement.

Section 1.02. Unless the context otherwise requires, the several terms defined in the General Conditions have the respective meanings therein set forth and the following additional terms have the following meanings:

(a) "Project Agreement" means the agreement between the Bank and ZPEPB of even date herewith, as the same may be amended from time to time, and such term includes all schedules and agreements supplemental to the Project Agreement;

(b) "Subsidiary Loan Agreement" means the agreement to be entered into between the Borrower and ZPEPB pursuant to Section 3.01 (b) of this Agreement, as the same may be amended from time to time, and such term includes all schedules to the Subsidiary Loan Agreement;

(c) "ZPEPB" means the Zhejiang Provincial Electric Power Bureau, a state-owned enterprise of the Borrower, established and operating pursuant to its Charter;

(d) "Charter" means the Charter of ZPEPB, dated June 14, 1985; and

(e) "Special Account" means the account referred to in Section 2.02 (b) of this Agreement.

## ARTICLE II

### The Loan

Section 2.01. The Bank agrees to lend to the Borrower, on the terms and conditions set forth or referred to in the Loan Agreement, an amount in various currencies equivalent to one-hundred sixty-five million dollars (\$165,000,000).

Section 2.02. (a) The amount of the Loan may be withdrawn from the Loan Account in accordance with the provisions of Schedule 1 to this Agreement for expenditures made (or, if the Bank shall so agree, to be made) in respect of the reasonable cost of goods and services required for the Project described in Schedule 2 to this Agreement and to be financed out of the proceeds of the Loan.

(b) The Borrower shall, for the purposes of the Project, open and maintain in dollars a special account in a bank and on terms and conditions satisfactory to the Bank. Deposits into, and payments out of, the Special Account shall be made in accordance with the provisions of Schedule 5 to this Agreement.

Section 2.03. The Closing Date shall be June 30, 1993 or such later date as the Bank shall establish. The Bank shall promptly notify the Borrower of such later date.

Section 2.04. The Borrower shall pay to the Bank a commitment charge at the rate of three-fourths of one percent ( $3/4$  of 1%) per annum on the principal amount of the Loan not withdrawn from time to time.

Section 2.05. (a) The Borrower shall pay interest on the principal amount of the Loan withdrawn and outstanding from time to time at a rate per annum for each Interest Period equal to one-half of one percent per annum above the Cost of Qualified Borrowings for the last Semester ending prior to the commencement of such Interest Period.

(b) As soon as practicable after the end of each Semester, the Bank shall notify the Borrower of the Cost of Qualified Borrowings for such Semester.

(c) For purposes of this Section:

(i) "Interest Period" means the six-month period commencing on each date specified in Section 2.06 of this Agreement, including the Interest Period in which this Agreement is signed.

(ii) "Cost of Qualified Borrowings" means the cost of the outstanding borrowings of the Bank drawn down after June 30, 1982, expressed as a percentage per annum, as reasonably determined by the Bank.

(iii) "Semester" means the first six months or the second six months of a calendar year.

Section 2.06. Interest and other charges shall be payable semiannually on May 1 and November 1 in each year.

Section 2.07. The Borrower shall repay the principal amount of the Loan in accordance with the amortization schedule set forth in Schedule 3 to this Agreement.

Section 2.08. ZPEPB is designated as representative of the Borrower for the purposes of taking any action required or permitted to be taken under the provisions of Section 2.02 of this Agreement and Article V of the General Conditions.

### ARTICLE III

#### Execution of the Project

Section 3.01. (a) The Borrower declares its commitment to the objectives of the Project as set forth in Schedule 2 to this Agreement, and, to this end, without any limitation or restriction upon any of its other obligations under the Loan Agreement, shall cause ZPEPB to perform in accordance with the provisions of the Project Agreement all the obligations of ZPEPB therein set forth, shall take or cause to be taken all action, including the provision of funds, facilities, services and other resources, necessary or appropriate to enable ZPEPB to perform such obligations, and shall not take or permit to be taken any action which would prevent or interfere with such performance.

(b) The Borrower shall relend the proceeds of the Loan to ZPEPB under a subsidiary loan agreement to be entered into between the Borrower and ZPEPB, under terms and conditions which shall have been approved by the Bank and which shall include, inter alia: (i) the same interest rate as specified in Section 2.05 of this Agreement; (ii) a repayment period of 20 years, including a grace period of five years; and (iii) the commitment charges and foreign exchange risk on the repayment of the subsidiary loan are to be born by ZPEPB.

(c) The Borrower shall exercise its rights under the Subsidiary Loan Agreement in such manner as to protect the interests of the Borrower and the Bank and to accomplish the purposes of the Loan, and, except as the Bank shall otherwise agree, the Borrower shall not assign, amend, abrogate or waive the Subsidiary Loan Agreement or any provision thereof.

(d) Without limitation to the obligations of the Borrower under paragraph (a) above, in determining the levels and structures of ZPEPB's electricity tariffs pursuant to Section 4.02 of the Project Agreement, the Borrower shall take into account the results of the tariff study carried out under Beilungang Thermal Power Project (Loan No. 2706-CHA) between the Borrower and the Bank, dated July 1, 1986.

Section 3.02. Except as the Bank shall otherwise agree, procurement of the goods, works and consultants' services required for the Project and to be financed out of the proceeds of the Loan shall be governed by the provisions of Schedule 4 to this Agreement.

Section 3.03. The Bank and the Borrower hereby agree that the obligations set forth in Sections 9.04, 9.05, 9.06, 9.07, 9.08 and 9.09 of the General Conditions (relating to insurance, use of goods and services, plans and schedules, records and reports, maintenance and land acquisition, respectively) shall be carried out by ZPEPB pursuant to Section 2.03 of the Project Agreement.

### ARTICLE IV

#### Financial Covenants

Section 4.01. (a) For all expenditures with respect to which withdrawals from the Loan Account were made on the basis of statements of expenditure, the Borrower shall:

(i) maintain or cause to be maintained in accordance with sound accounting practices, records and accounts reflecting such expenditures;

(ii) ensure that all records (contracts, orders, invoices, bills, receipts and other documents) evidencing such expenditures are retained until at least one year after the Bank has received the audit report for the fiscal year in which the last withdrawal from the Loan Account was made; and

(iii) enable the Bank's representatives to examine such records.

(b) The Borrower shall:

(i) have the records and accounts referred to in paragraph (a) (i) of this Section and those for the Special Account for each fiscal year audited, in accordance with appropriate auditing principles consistently applied, by independent auditors acceptable to the Bank;

(ii) furnish to the Bank as soon as available, but in any case not later than six months after the end of each such year the report of such audit by said auditors, of such scope and in such detail as the Bank shall have reasonably requested, including a separate opinion by said auditors as to whether the statements of expenditure submitted during such fiscal year, together with the procedures and internal controls involved in their preparation, can be relied upon to support the related withdrawals; and

(iii) furnish to the Bank such other information concerning said records and accounts and the audit thereof as the Bank shall from time to time reasonably request.

#### ARTICLE V

##### Remedies of the Bank

Section 5.01. Pursuant to Section 6.02 (k) of the General Conditions, the following additional events are specified:

(a) ZPEPB shall have failed to perform any of its obligations under the Project Agreement.

(b) As a result of events which have occurred after the date of the Loan Agreement, an extraordinary situation shall have arisen which shall make it improbable that ZPEPB will be able to perform its obligations under the Project Agreement.

(c) The Charter shall have been amended, suspended, abrogated, repealed or waived so as to affect materially and adversely the ability of ZPEPB to perform any of its obligations under the Project Agreement.

(d) The Borrower or any other authority having jurisdiction shall have taken any action for the dissolution or disestablishment of ZPEPB or for the suspension of its operations.

Section 5.02. Pursuant to Section 7.01 (h) of the General Conditions, the following additional events are specified:

(a) the event specified in paragraph (a) of Section 5.01 of this Agreement shall occur and shall continue for a period of sixty days after notice thereof shall have been given by the Bank to the Borrower; and

(b) the events specified in paragraphs (c) and (d) of Section 5.01 of this

Agreement shall occur.

#### ARTICLE VI

##### Effective Date; Termination

Section 6.01. The following events are specified as additional conditions to the effectiveness of the Loan Agreement within the meaning of Section 12.01 (c) of the General Conditions:

(a) the Subsidiary Loan Agreement has been executed on behalf of the Borrower and ZPEPB; and

(b) the Borrower's State Council has approved the Loan Agreement.

Section 6.02. The following are specified as additional matters, within the meaning of Section 12.02 (c) of the General Conditions, to be included in the opinion or opinions to be furnished to the Bank:

(a) that the Project Agreement has been duly authorized or ratified by ZPEPB and is legally binding upon ZPEPB in accordance with its terms; and

(b) that the Subsidiary Loan Agreement has been duly authorized or ratified by the Borrower and ZPEPB and is legally binding upon the Borrower and ZPEPB in accordance with its terms.

Section 6.03. The date ninety (90) days after the date of this Agreement is hereby specified for the purposes of Section 12.04 of the General Conditions.

#### ARTICLE VII

##### Representatives of the Borrower; Addresses

Section 7.01. Except as provided in Section 2.08 of this Agreement, the Minister of Finance of the Borrower is designated as representative of the Borrower for the purposes of Section 11.03 of the General Conditions.

Section 7.02. The following addresses are specified for the purposes of Section 11.01 of the General Conditions:

For the Borrower:

Ministry of Finance  
Sanlihe  
Beijing  
People's Republic of China

Cable address:

FINANMIN  
Beijing

Telex:

22486 MFPRC CN

For the Bank:

International Bank for  
Reconstruction and Development  
1818 H Street, N.W.  
Washington, D.C. 20433  
United States of America

Cable address:

INTBAFRAD  
Washington, D.C.

Telex:

440098 (ITT)  
248423 (RCA) or  
64145 (WUI)

IN WITNESS WHEREOF, the parties hereto, acting through their duly authorized

representatives, have caused this Agreement to be signed in their respective names in the District of Columbia, United States of America, as of the day and year first above written.

PEOPLE'S REPUBLIC OF CHINA

By /s/ Han Xu

Authorized Representative

INTERNATIONAL BANK FOR  
RECONSTRUCTION AND DEVELOPMENT

By /s/ Gautam s. Kaji

Acting Regional Vice President  
Asia

SCHEDULE 1

Withdrawal of the Proceeds of the Loan

1. The table below sets forth the Categories of items to be financed out of the proceeds of the Loan, the allocation of the amounts of the Loan to each Category and the percentage of expenditures for items so to be financed in each Category:

Category	Amount of the Loan Allocated (Expressed in Dollar Equivalent)	% of Expenditures to be Financed
(1) Goods	156,100,000	100% of foreign expenditures, 100% of local expenditures (ex-factory cost) and 75% of local ex- penditures for other items pro- cured locally
(2) Consultants' services and training	3,200,000	100%
(3) Unallocated	5,700,000	
TOTAL	<hr/> 165,000,000	

2. For the purposes of this Schedule:

(a) the term "foreign expenditures" means expenditures in the currency of any country other than that of the Borrower for goods or services supplied from the territory of any country other than that of the Borrower; and

(b) the term "local expenditures" means expenditures in the currency of the Borrower or for goods or services supplied from the territory of the Borrower.

3. Notwithstanding the provisions of paragraph 1 above, no withdrawals shall be made in respect of payments made for expenditures prior to the date of this Agreement.

## SCHEDULE 2

### Description of the Project

The objectives of the Project are to assist the Borrower in: (i) alleviating the acute power shortage of a major load center in East China; (ii) supporting the national policies of developing large coal-fired thermal power generating units to utilize effectively China's coal resources; (iii) introducing modern technology in plant design and construction management; and (iv) strengthening the management and operations of ZPEPB.

The Project consists of the following parts, subject to such modifications thereof as the Borrower and the Bank may agree upon from time to time to achieve such objectives:

#### Part A:

Extension of the Beilungang thermal plant by adding a second unit of 600 MW, including:

(a) construction of a pumping house for circulating water, a chimney and foundations and buildings for the power block; and

(b) provision of electrical and mechanical equipment, including boiler island, turbine-generator island, extension of two belt conveyors for the coal handling system, ash disposal facilities, instrumentation and control island, electrical equipment for plant use and other necessary auxiliaries.

#### Part B:

Construction of a second circuit of 500 kV transmission line from Beilungang switchyard to Shaoxin substation (about 145 kilometer), and extension of the Pingyao substation.

#### Part C:

Provision of consultants' services for engineering, procurement and review of suppliers' design.

#### Part D:

Carrying out a study on ZPEPB's reorganization and management.

#### Part E:

Carrying out a study on the extension and improvement of the distribution network for the cities of Hangzhou and Ningbo.

#### Part F:

Carrying out a training program for the operation and maintenance staff of ZPEPB.

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The Project is expected to be completed by June 30, 1992.

## SCHEDULE 3

### Amortization Schedule

Date Payment Due	Payment of Principal (Expressed in dollars)*
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November 1, 1993	3,010,000
May 1, 1994	3,130,000
November 1, 1994	3,250,000
May 1, 1995	3,375,000
November 1, 1995	3,505,000
May 1, 1996	3,640,000
November 1, 1996	3,780,000
May 1, 1997	3,925,000
November 1, 1997	4,075,000
May 1, 1998	4,235,000
November 1, 1998	4,400,000
May 1, 1999	4,570,000
November 1, 1999	4,745,000
May 1, 2000	4,925,000
November 1, 2000	5,115,000
May 1, 2001	5,315,000
November 1, 2001	5,520,000
May 1, 2002	5,735,000
November 1, 2002	5,955,000
May 1, 2003	6,185,000
November 1, 2003	6,425,000
May 1, 2004	6,670,000
November 1, 2004	6,930,000
May 1, 2005	7,195,000
November 1, 2005	7,475,000
May 1, 2006	7,760,000
November 1, 2006	8,060,000
May 1, 2007	8,375,000
November 1, 2007	8,695,000
May 1, 2008	9,025,000

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\* The figures in this column represent dollar equivalents determined as of the respective dates of withdrawal. See General Conditions, Sections 3.04 and 4.03.

#### Premiums on Prepayment

The following premiums are specified for the purposes of Section 3.04 (b) of the General Conditions:

Time of Prepayment	Premium
applicable to	The interest rate (expressed as a percentage per annum)
multiplied by:	the balance outstanding on the Loan on the day of prepayment
Not more than three years before maturity	0.15
More than three years but not more than six years before maturity	0.30
More than six years but not more than 11 years before maturity	0.55
More than 11 years but not more than 16 years before maturity	0.80
More than 16 years but not	0.90



more than 18 years  
before maturity

More than 18 years before  
maturity

1.00

#### SCHEDULE 4

##### Procurement and Consultants' Services

Section I: Procurement of Goods and Works

Part A: International Competitive Bidding

Except as provided in Part C hereof, goods and services shall be procured under contracts awarded in accordance with procedures consistent with those set forth in Sections I and II of the "Guidelines for Procurement under IBRD Loans and IDA Credits" published by the Bank in May 1985 (the Guidelines).

Part B: Preference for Domestic Manufacturers

In the procurement of goods in accordance with the procedures described in Part A hereof, goods manufactured or produced in China may be granted a margin of preference in accordance with, and subject to, the provisions of paragraph 2.55 of the Guidelines and procedures acceptable to the Bank.

Part C: Other Procurement Procedures

1. Items or groups of items estimated to cost less than the equivalent of \$300,000 per contract, up to an aggregate amount not to exceed the equivalent of \$1,000,000, may be procured under contracts awarded through limited international bidding procedures on the basis of evaluation and comparison of bids invited from a list of at least three qualified suppliers eligible under the Guidelines and in accordance with procedures set forth in Sections I and II of the Guidelines (excluding paragraphs 2.8, 2.9, 2.55 and 2.56 thereof).

2. Instrumentation and control equipment estimated to cost the equivalent of not more than \$8,000,000 shall be purchased directly under negotiated contracts in accordance with procedures acceptable to the Bank.

3. Conveyers estimated to cost not more than the equivalent of \$600,000 may be procured through extension of the existing contract in accordance with procedures acceptable to the Bank.

Part D: Review by the Bank of Procurement Decisions

1. Review of invitations to bid and of proposed awards and final contracts:

(a) With respect to each contract estimated to cost the equivalent of \$1,000,000 or more, the procedures set forth in paragraphs 2 and 4 of Appendix 1 to the Guidelines shall apply. Where payments for such contract are to be made out of the Special Account, such procedures shall be modified to ensure that the two conformed copies of the contract required to be furnished to the Bank pursuant to said paragraph 2 (d) shall be furnished to the Bank prior to the making of the first payment out of the Special Account in respect of such contract.

(b) With respect to each contract not governed by the preceding paragraph, the procedures set forth in paragraphs 3 and 4 of Appendix 1 to the Guidelines shall apply. Where payments for such contract are to be made out of the Special Account, such procedures shall be modified to ensure that the two conformed copies of the contract together with the other information required to be furnished to the Bank pursuant to said paragraph 3 shall be furnished to the Bank as part of the evidence to be furnished pursuant to paragraph 4 of Schedule 5 to the Loan Agreement.

(c) The provisions of the preceding subparagraphs (a) and (b) shall not apply to contracts on account of which the Bank has authorized withdrawals from the Loan Account on the basis of statements of expenditure. Such contracts shall be retained in

accordance with Section 4.01 (a) (ii) of the Loan Agreement.

2. The figure of 15% is hereby specified for purposes of paragraph 4 of Appendix 1 to the Guidelines.

## Section II: Employment of Consultants

In order to assist in carrying out the Project, the Borrower and ZPEPB shall employ consultants whose qualifications, experience and terms and conditions of employment shall be satisfactory to the Bank. Such consultants shall be selected in accordance with principles and procedures satisfactory to the Bank on the basis of the "Guidelines for the Use of Consultants by World Bank Borrowers and by the World Bank as Executing Agency" published by the Bank in August 1981.

### SCHEDULE 5

#### Special Account

1. For the purposes of this Schedule:

(a) the term "eligible Categories" means Categories (1) and (2) set forth in the table in paragraph 1 of Schedule 1 to this Agreement;

(b) the term "eligible expenditures" means expenditures in respect of the reasonable cost of goods and services required for the Project and to be financed out of the proceeds of the Loan allocated from time to time to the eligible Categories in accordance with the provisions of Schedule 1 to this Agreement; and

(c) the term "Authorized Allocation" means an amount equivalent to \$6 million to be withdrawn from the Loan Account and deposited in the Special Account pursuant to paragraph 3 (a) of this Schedule.

2. Except as the Bank shall otherwise agree, payments out of the Special Account shall be made exclusively for eligible expenditures in accordance with the provisions of this Schedule.

3. After the Bank has received evidence satisfactory to it that the Special Account has been duly opened, withdrawals of the Authorized Allocation and subsequent withdrawals to replenish the Special Account may be made as follows:

(a) On the basis of a request or requests by the Borrower for a deposit or deposits which add up to the aggregate amount of the Authorized Allocation, the Bank shall, on behalf of the Borrower, withdraw from the Loan Account and deposit in the Special Account such amount or amounts as the Borrower shall have requested.

(b) The Borrower shall furnish to the Bank requests for replenishment of the Special Account at such intervals as the Bank shall specify. On the basis of such requests, the Bank shall withdraw from the Loan Account and deposit into the Special Account such amounts as shall be required to replenish the Special Account with amounts not exceeding the amount of payments made out of the Special Account for eligible expenditures. All such deposits shall be withdrawn by the Bank from the Loan Account under the respective eligible Categories, and in the respective equivalent amounts, as shall have been justified by the evidence supporting the request for such deposit furnished pursuant to paragraph 4 of this Schedule.

4. For each payment made by the Borrower out of the Special Account for which the Borrower requests replenishment pursuant to paragraph 3 (b) of this Schedule, the Borrower shall furnish to the Bank, prior to or at the time of such request, such documents and other evidence as the Bank shall reasonably request, showing that such payment was made for eligible expenditures.

5. (a) Notwithstanding the provisions of paragraph 3 of this Schedule, no further deposit into the Special Account shall be made by the Bank when either of the following situations first arises:

(i) the Bank shall have determined that all further withdrawals should be made by the Borrower directly from the Loan Account in

accordance with the provisions of  
Conditions and paragraph (a) of Section 2.02 of this

Article V of the General  
Agreement; or

(ii) the total unwithdrawn amount of the Loan allocated to the eligible Categories, minus the amount of any outstanding special commitment entered into by the Bank pursuant to Section 5.02 of the General Conditions with respect to the Project, shall be equal to the equivalent of twice the amount of the Authorized Allocation.

(b) Thereafter, withdrawal from the Loan Account of the remaining unwithdrawn amount of the Loan allocated to the eligible Categories shall follow such procedures as the Bank shall specify by notice to the Borrower. Such further withdrawals shall be made only after and to the extent that the Bank shall have been satisfied that all such amounts remaining on deposit in the Special Account as of the date of such notice will be utilized in making payments for eligible expenditures.

6. (a) If the Bank shall have determined at any time that any payment out of the Special Account (i) was made for any expenditure or in any amount not eligible pursuant to paragraph 2 of this Schedule, or (ii) was not justified by the evidence furnished pursuant to paragraph 4 of this Schedule, the Borrower shall, promptly upon notice from the Bank, deposit into the Special Account (or, if the Bank shall so request, refund to the Bank) an amount equal to the amount of such payment or the portion thereof not so eligible or justified. No further deposit by the Bank into the Special Account shall be made until the Borrower has made such deposit or refund.

(b) If the Bank shall have determined at any time that any amount outstanding in the Special Account will not be required to cover further payments for eligible expenditures, the Borrower shall, promptly upon notice from the Bank, refund to the Bank such outstanding amount for crediting to the Loan Account.

