

CONFORMED COPY

LOAN NUMBER 4622 IN

Loan Agreement

(Grand Trunk Road Improvement Project)

between

INDIA

and

INTERNATIONAL BANK FOR RECONSTRUCTION  
AND DEVELOPMENT

Dated July 27, 2001

LOAN NUMBER 4622 IN

LOAN AGREEMENT

AGREEMENT, dated July 27, 2001, between INDIA, acting by its President (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 (the Project), has requested the Bank to assist in the financing of the Project;

(B) the Project will be carried out by the National Highways Authority of India (NHAI) with the Borrower's assistance and as part of such assistance, the Borrower will make the proceeds of the loan provided for in Article II of this Agreement (the Loan) available to NHAI, as set forth 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 agreement of even date herewith between the Bank and NHAI (the Project Agreement);

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 for Single Currency Loans" of the Bank, dated May 30, 1995 (as amended through October 6, 1999) (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 and in the Preamble to this Agreement have the respective meanings therein set forth and the following additional terms have the following meanings:

(a) "EA" means the Consolidated Environmental Impact Assessment Report of NHAI for all sections of the roads included in Part A of the Project, dated February 2001 and approved by the Bank, setting forth, inter alia, the assessment of adverse environmental impacts of road construction and development for those sections of the roads and measures to mitigate such adverse environmental impacts;

(b) "Eligible Categories" means categories (1), (2) and (3) set forth in the table in Part A.1 of Schedule 1 to this Agreement;

(c) "Eligible Expenditures" means the expenditures for goods and services referred to in Section 2.02 of this Agreement;

(d) "EMP" means each Environmental Management Plan of NHAI for each section of the roads included in Part A of the Project, dated February 2001 and approved by the Bank, setting forth, inter alia, the measures to mitigate adverse environmental impacts of road construction and improvement for the relevant section of the roads and to monitor the implementation of such mitigation measures, as the same may be updated from time to time with the agreement of the Bank;

(e) "Fiscal Year" and "FY" mean the Borrower's and NHAI's fiscal year, beginning on April 1 of a calendar year and ending on March 31 of the following calendar year;

(f) "NHAI" means the National Highways Authority of India, constituted and existing under the Borrower's National Highways Authority of India Act, 1988, or any successor thereto;

(g) "Project Agreement" means the agreement between the Bank and NHAI 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;

(h) "Project Implementation Plan" means the Project Implementation Plan of NHAI for the carrying out of the Project, dated June 2001 and approved by the Bank;

(i) "Project Management Report" means each report prepared in accordance with Section 4.02 of the Project Agreement;

(j) "RAP" means the Consolidated Resettlement Action Plan of NHAI for all sections of the roads included in Part A of the Project, dated February 2001 and approved by the Bank, and each Resettlement Action Plan of NHAI for each of those sections of the roads, dated April 2001 and approved by the Bank, setting forth, inter alia, the entitlement framework, institutional arrangements, implementation schedules, monitoring mechanisms and cost estimates for the resettlement and rehabilitation of people affected by the implementation of the Project, as the same may be updated from time to time with the agreement of the Bank;

(k) "Special Account" means the account referred to in Part B of Schedule 1 to this Agreement; and

(l) "Tree Plantation Strategy" means the Tree Plantation Strategy of NHAI, dated March 2001 and approved by the Bank, setting forth, inter alia, the schemes designed to ensure the successful implementation of tree plantations referred to in each EMP.

Section 1.03. Each reference in the General Conditions to the Project implementation entity shall be deemed to be a reference to NHAI.

## 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 this Agreement, an amount equal to five hundred eighty-nine million dollars (\$589,000,000).

Section 2.02. 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 and to be financed out of the proceeds of the Loan and in respect of the fee referred to in Section 2.04 of this Agreement.

Section 2.03. The Closing Date shall be December 31, 2006 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 fee in an amount equal to one percent (1%) of the amount of the Loan. On or promptly after the Effective Date, the Bank shall, on behalf of the Borrower, withdraw from the Loan Account and pay to itself the amount of said fee.

Section 2.05. 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 2.06. (a) The Borrower shall pay interest on the principal amount of the Loan withdrawn and outstanding from time to time, at a rate for each Interest Period equal to LIBOR Base Rate plus LIBOR Total Spread.

(b) For the purposes of this Section:

(i) "Interest Period" means the initial period from and including the date of this Agreement to, but excluding, the first Interest Payment Date occurring thereafter, and after the initial period, each period from and including an Interest Payment Date to, but excluding the next following Interest Payment Date.

(ii) "Interest Payment Date" means any date specified in Section 2.07 of this Agreement.

(iii) "LIBOR Base Rate" means, for each Interest Period, the London interbank offered rate for six-month deposits in dollars for value the first day of such Interest Period (or, in the case of the initial Interest Period, for value the Interest Payment Date occurring on or next preceding the first day of such Interest Period), as reasonably determined by the Bank and expressed as a percentage per annum.

(iv) "LIBOR Total Spread" means, for each Interest Period: (A) three-fourths of one percent (3/4 of 1%); (B) minus (or plus) the weighted average margin, for such Interest Period, below (or above) the London interbank offered rates, or other reference rates, for six-month deposits, in respect of the Bank's outstanding borrowings or portions thereof allocated by the Bank to fund single currency loans or portions thereof made by it that include the Loan; as reasonably determined by the Bank and expressed as a percentage per annum.

(c) The Bank shall notify the Borrower of LIBOR Base Rate and LIBOR Total Spread for each Interest Period, promptly upon the determination thereof.

(d) Whenever, in light of changes in market practice affecting the determination of the interest rates referred to in this Section 2.06, the Bank determines that it is in the interest of its borrowers as a whole and of the Bank to apply a basis for determining the interest rates applicable to the Loan other than as provided in said Section, the Bank may modify the basis for determining the interest rates applicable to the Loan upon not less than six (6) months' notice to the Borrower of the new basis. The new basis shall become effective on the expiry of the notice period unless the Borrower notifies the Bank during said period of its objection thereto, in which case said modification shall not apply to the Loan.

Section 2.07. Interest and other charges shall be payable semi-annually in arrears on March 15 and September 15 in each year.

Section 2.08. The Borrower shall repay the principal amount of the Loan in accordance with the amortization schedule set forth in Schedule 3 to this Agreement.

### ARTICLE III

#### Execution of the Project

Section 3.01. (a) The Borrower declares its commitment to the objectives of the Project and, to this end, without any limitation or restriction upon any of its other obligations under this Agreement, shall cause NHAI to perform in accordance with the provisions of the Project Agreement all the obligations of NHAI 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 NHAI 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 make the proceeds of the Loan available to NHAI in accordance with the Borrower's standard arrangements for providing developmental assistance through central ministries.

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 1 to the Project 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 NHAI 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 Project Management Reports or statements of expenditure, the Borrower shall:

- (i) maintain or cause to be maintained, in accordance with sound accounting practices, records and separate 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 Fiscal 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 Project Management Reports or 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(p) of the General Conditions, the

following additional events are specified:

(a) NHAI 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 this Agreement, an extraordinary situation shall have arisen which shall make it improbable that NHAI will be able to perform its obligations under the Project Agreement.

Section 5.02. Pursuant to Section 7.01(k) of the General Conditions, the following additional event is specified, namely, that the event specified in paragraph (a) of Section 5.01 of this Agreement shall occur and shall continue for a period of sixty (60) days after notice thereof shall have been given by the Bank to the Borrower.

#### ARTICLE VI

##### Effective Date; Termination

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

(a) the Project Agreement has been duly authorized by NHAI, and is legally binding upon NHAI in accordance with its terms; and

(b) all actions set forth in the action plan referred to in Section 4.02(a) of the Project Agreement for which the completion dates specified therein precede the Effectiveness Date have been completed.

Section 6.02. The following is specified as an additional matter, 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, namely, that the Project Agreement has been duly authorized by NHAI, and is legally binding upon NHAI 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

##### Representative of the Borrower; Addresses

Section 7.01. Any Secretary, Additional Secretary, Joint Secretary, Director, Deputy Secretary or Under Secretary of the Department of Economic Affairs in the Ministry 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:

Secretary to the Government of India  
Department of Economic Affairs  
Ministry of Finance  
New Delhi - 110001, India

Cable address:

ECOFAIRS  
New Delhi

Telex:

953-31-66175 FINE IN  
953-31-61430 FINE IN

Facsimile:

91-11-3013133 or  
91-11-3017511

For the Bank:

International Bank for  
Reconstruction and Development  
1818 H Street, N.W.



(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, except that withdrawals, in an aggregate amount not exceeding \$3,000,000, may be made in respect of Categories (1), (2) and (3) set forth in the table in Part A.1 of this Schedule on account of payments made for expenditures before that date but after May 1, 2001.

4. The Bank may require withdrawals from the Loan Account to be made on the basis of statements of expenditure for expenditures for: (i) works under contracts costing less than \$5,000,000 equivalent each; (ii) goods under contracts costing less than \$4,000,000 equivalent each; (iii) services of consulting firms under contracts costing less than \$100,000 equivalent each; (iv) services of individual consultants under contracts costing less than \$50,000 equivalent each; and (v) training and studies; all under such terms and conditions as the Bank shall specify by notice to the Borrower.

#### B. Special Account

1. The Borrower shall open and maintain in dollars a special deposit account in the Reserve Bank of India on terms and conditions satisfactory to the Bank.

2. After the Bank has received evidence satisfactory to it that the Special Account has been opened, withdrawals from the Loan Account of amounts to be deposited into the Special Account shall be made as follows:

(a) until the Bank shall have received: (i) the first Project Management Report referred to in Section 4.02(b) of the Project Agreement; and (ii) a request from the Borrower for withdrawal on the basis of Project Management Reports, withdrawals shall be made in accordance with the provisions of Annex A to this Schedule 1; and

(b) upon receipt by the Bank of a Project Management Report pursuant to Section 4.02(b) of the Project Agreement, accompanied by a request from the Borrower for withdrawal on the basis of Project Management Reports, all further withdrawals shall be made in accordance with the provisions of Annex B to this Schedule 1.

3. Payments out of the Special Account shall be made exclusively for Eligible Expenditures. For each payment made by the Borrower out of the Special Account, the Borrower shall, at such time as the Bank shall reasonably request, furnish to the Bank such documents and other evidence showing that such payment was made exclusively for Eligible Expenditures.

4. Notwithstanding the provisions of Part B.2 of this Schedule, the Bank shall not be required to make further deposits into the Special Account:

(a) if the Bank determines at any time that any Project Management Report does not adequately provide the information required pursuant to Section 4.02 of the Project Agreement;

(b) if the Bank determines at any time that all further withdrawals should be made by the Borrower directly from the Loan Account; or

(c) if the Borrower or NHAI shall have failed to furnish to the Bank within the period of time specified in Section 4.01(b)(ii) of this Agreement and Section 4.01(b)(ii) of the Project Agreement, any of the audit reports required to be furnished to the Bank pursuant to said Sections in respect of the audit of: (A) the records and accounts for the Special Account, or (B) the records, accounts and financial statements reflecting expenditures with respect to which withdrawals were made on the basis of Project Management Reports or statements of expenditure.

5. The Bank shall not be required to make further deposits into the Special Account in accordance with the provisions of Part B.2 of this Schedule if, at any time, the Bank shall have notified the Borrower of its intention to suspend in whole or in part

the right of the Borrower to make withdrawals from the Loan Account pursuant to Section 6.02 of the General Conditions. Upon such notification, the Bank shall determine, in its sole discretion, whether further deposits into the Special Account may be made and what procedures should be followed for making such deposits, and shall notify the Borrower of its determination.

6. (a) If the Bank determines at any time that any payment out of the Special Account was made for an expenditure which is not an Eligible Expenditure, or was not justified by the evidence furnished to the Bank, the Borrower shall, promptly upon notice from the Bank, provide such additional evidence as the Bank may request, or 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. Unless the Bank shall otherwise agree, no further deposit by the Bank into the Special Account shall be made until the Borrower has provided such evidence or made such deposit or refund, as the case may be.

(b) If the Bank determines at any time that any amount outstanding in the Special Account will not be required to cover payments for Eligible Expenditures during the six-month period following such determination, the Borrower shall, promptly upon notice from the Bank, refund to the Bank such outstanding amount.

(c) The Borrower may, upon notice to the Bank, refund to the Bank all or any portion of the funds on deposit in the Special Account.

(d) Refunds to the Bank made pursuant to subparagraph (a), (b) or (c) of this paragraph 6 shall be credited to the Loan Account for subsequent withdrawal or for cancellation in accordance with the provisions of this Agreement.

#### Annex A to SCHEDULE 1

##### Operation of Special Account When Withdrawals Are Not Made On the Basis of Project Management Reports

1. For the purposes of this Annex, the term "Authorized Allocation" means an amount equivalent to \$40,000,000 to be withdrawn from the Loan Account and deposited into the Special Account pursuant to paragraph 2 of this Annex; provided, however, that unless the Bank shall otherwise agree, the Authorized Allocation shall be limited to an amount equivalent to \$20,000,000 until the aggregate amount of withdrawals from the Loan Account, plus the total amount of all outstanding special commitments entered into by the Bank pursuant to Section 5.02 of the General Conditions, shall equal or exceed the equivalent of \$120,000,000.

2. Withdrawals of the Authorized Allocation and subsequent withdrawals to replenish the Special Account shall be made as follows:

(a) For withdrawals of the Authorized Allocation, the Borrower shall furnish to the Bank a request or requests for deposit into the Special Account of an amount or amounts which in the aggregate do not exceed the Authorized Allocation. On the basis of each such request, the Bank shall, on behalf of the Borrower, withdraw from the Loan Account and deposit into the Special Account such amount as the Borrower shall have requested.

(b) For replenishment of the Special Account, the Borrower shall furnish to the Bank requests for deposit into the Special Account at such intervals as the Bank shall specify. Prior to or at the time of each such request, the Borrower shall furnish to the Bank the documents and other evidence required pursuant to Part B.3 of Schedule 1 to this Agreement for the payment or payments in respect of which replenishment is requested. On the basis of each such request, the Bank shall, on behalf of the Borrower, withdraw from the Loan Account and deposit into the Special Account such amount as the Borrower shall have requested and as shall have been shown by said documents and other evidence to have been paid out of the Special Account for Eligible Expenditures. Each such deposit into the Special Account shall be withdrawn by the Bank from the Loan Account under one or more of the Eligible Categories.

3. The Bank shall not be required to make further deposits into the Special Account, once the total unwithdrawn amount of the Loan, minus the total amount of all outstanding special commitments entered into by the Bank pursuant to Section 5.02 of the General Conditions, shall equal the equivalent of twice the amount of the Authorized Allocation. Thereafter, withdrawal from the Loan Account of the remaining unwithdrawn amount of the Loan 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.

#### Annex B to SCHEDULE 1

##### Operation of Special Account When Withdrawals Are Made On the Basis of Project Management Reports

1. Except as the Bank may otherwise specify by notice to the Borrower, all withdrawals from the Loan Account shall be deposited by the Bank into the Special Account in accordance with the provisions of Schedule 1 to this Agreement. Each such deposit into the Special Account shall be withdrawn by the Bank from the Loan Account under one or more of the Eligible Categories.
2. Each application for withdrawal from the Loan Account for deposit into the Special Account shall be supported by a Project Management Report.
3. Upon receipt of each application for withdrawal of an amount of the Loan, the Bank shall, on behalf of the Borrower, withdraw from the Loan Account and deposit into the Special Account an amount equal to the lesser of: (a) the amount so requested; and (b) the amount which the Bank has determined, based on the Project Management Report accompanying said application, is required to be deposited in order to finance Eligible Expenditures during the six-month period following the date of such report; provided, however, that the amount so deposited, when added to the amount indicated by said Project Management Report to be remaining in the Special Account, shall not exceed the equivalent of \$80,000,000.

#### SCHEDULE 2

##### Description of the Project

The objectives of the Project are: (a) to reduce transport constraints on national economic activity; and (b) to improve institutional capabilities to manage road programs, assets and services on a commercial basis.

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: Highway Upgrading

1. Widening and strengthening about 420 km of national highways from 2 lanes to 4-6 lane divided carriage-ways, with service roads, bypasses and other traffic separation measures where required.
2. Carrying out a program of resettlement and rehabilitation of people affected by the carrying out of Part A.1 of the Project and implementing measures to mitigate adverse environmental impacts of the carrying out of Part A.1 of the Project.

##### Part B: Road Safety and Corridor Management Works

1. Carrying out a program of road improvements specifically targeted at reducing accidents and improving safety on the national highway network.
2. Carrying out a program of maintenance works to introduce alternative contracting methods and strengthen maintenance management practices on the national highways.

##### Part C: Public-private Partnership in Road Concession

Undertaking detailed preparation and implementation of a pilot project to upgrade a selected section of national highways under a public-private partnership scheme.

##### Part D: Institutional Strengthening

Provision of technical assistance to NHAI: (a) for building NHAI's social and environmental management capacity, including a poverty impact of highway development study and consultant services for training and streamlining monitoring procedures; (b) for training trainers and disseminating road safety manuals; (c) for conducting public road safety education and campaigns through mass media; (d) for implementing a

comprehensive road safety action plan; (e) for computerizing the national highway assets inventory system; (f) for strengthening its Corridor Management Units; (g) for conducting a cross-state border road transport efficiency study; and (h) for conducting sector-related studies and pre-investment studies for the preparation of possible future projects, including a possible expressway project.

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The Project is expected to be completed by June 30, 2006.

SCHEDULE 3

Amortization Schedule

Date Payment Due	Payment of Principal (Expressed in Dollars)*
March 15, 2007	12,380,000
September 15, 2007	12,750,000
March 15, 2008	13,135,000
September 15, 2008	13,530,000
March 15, 2009	13,935,000
September 15, 2009	14,350,000
March 15, 2010	14,785,000
September 15, 2010	15,225,000
March 15, 2011	15,685,000
September 15, 2011	16,155,000
March 15, 2012	16,640,000
September 15, 2012	17,135,000
March 15, 2013	17,650,000
September 15, 2013	18,180,000
March 15, 2014	18,725,000
September 15, 2014	19,290,000
March 15, 2015	19,865,000
September 15, 2015	20,465,000
March 15, 2016	21,075,000
September 15, 2016	21,710,000
March 15, 2017	22,360,000
September 15, 2017	23,030,000
March 15, 2018	23,720,000
September 15, 2018	24,435,000
March 15, 2019	25,165,000
September 15, 2019	25,920,000
March 15, 2020	26,700,000
September 15, 2020	27,500,000
March 15, 2021	28,325,000
September 15, 2021	29,180,000

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\* The figures in this column represent the amounts in dollars to be repaid, except as provided in Section 4.04(d) of the General Conditions.

