

CONFORMED COPY

LOAN NUMBER 3566 TU

Loan Agreement

(Bursa Water and Sanitation Project - Solid Waste)

between

INTERNATIONAL BANK FOR RECONSTRUCTION
AND DEVELOPMENT

and

BURSA METROPOLITAN MUNICIPALITY

Dated March 25, 1993

LOAN NUMBER 3566 TU

LOAN AGREEMENT

AGREEMENT, dated March 25, 1993, between INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT (the Bank) and BURSA METROPOLITAN MUNICIPALITY (the Borrower).

WHEREAS (A) Republic of Turkey (the Guarantor) and the Borrower, having been satisfied as to the feasibility and priority of the Project described in Schedule 2 to this Agreement, have requested the Bank to assist in the financing of the Project;

(B) by an agreement (the Guarantee Agreement) of even date herewith between the Guarantor and the Bank, the Guarantor has agreed to guarantee the obligations of the Borrower in respect of the Loan and to undertake such other obligations as set forth in the Guarantee 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;

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 modifications set forth below (the General Conditions) constitute an integral part of this Agreement:

(a) The last sentence of Section 3.02 is deleted.

(b) In Section 6.02, sub-paragraph (k) is re-lettered as sub-paragraph (l) and a new sub-paragraph (k) is added to read:

"(k) An extraordinary situation shall have arisen under which any further withdrawals under the Loan would be inconsistent with the provisions of Article III, Section 3 of the Bank's Articles of 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) "Metropolitan Municipalities Law" means Law No. 3030 of 1984, as amended to the date of this Agreement;

(b) "Project Preparation Advance" means the project preparation advance provided by the Bank to the Guarantor, pursuant to an exchange of letters dated April 5, 1991 and April 18, 1991, between the Guarantor and the Bank and, thereafter, made available by the Guarantor to the Borrower;

(c) "Action Plan" means the action plan referred to in Section 3.02 of this Agreement;

(d) "fiscal year" means the Borrower's fiscal year beginning January 1 and ending December 31; 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, various currencies that shall have an aggregate value equivalent to the amount of twelve million five hundred thousand dollars (\$12,500,000), being the sum of withdrawals of the proceeds of the Loan, with each withdrawal valued by the Bank as of the date of such withdrawal.

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 freely convertible currency acceptable to the Bank a special deposit account in the Central Bank of the Guarantor 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 6 to this Agreement.

(c) Promptly after the Effective Date, the Bank shall, on behalf of the Borrower, withdraw from the Loan Account and pay to itself the amount required to repay the principal amount of the

Project Preparation Advance withdrawn and outstanding as of such date and to pay all unpaid charges thereon. The unwithdrawn balance of the authorized amount of the Project Preparation Advance shall thereupon be cancelled.

Section 2.03. The Closing Date shall be June 30, 2001 or such later date as the Bank shall establish. The Bank shall promptly notify the Borrower and the Guarantor 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 for each Interest Period equal to the Cost of Qualified Borrowings determined in respect of the preceding Semester, plus one-half of one percent ($1/2$ of 1%). On each of the dates specified in Section 2.06 of this Agreement, the Borrower shall pay interest accrued on the principal amount outstanding during the preceding Interest Period, calculated at the rate applicable during such Interest Period.

(b) As soon as practicable after the end of each Semester, the Bank shall notify the Borrower and the Guarantor of the Cost of Qualified Borrowings determined in respect of such Semester.

(c) For the purposes of this Section:

(i) "Interest Period" means a six-month period ending on the date immediately preceding each date specified in Section 2.06 of this Agreement, beginning with the Interest Period in which this Agreement is signed.

(ii) "Cost of Qualified Borrowings" means the cost, as reasonably determined by the Bank and expressed as a percentage per annum, of the outstanding borrowings of the Bank drawn down after June 30, 1982, excluding such borrowings or portions thereof as the Bank has allocated to fund: (A) the Bank's investments; and (B) loans which may be made by the Bank after July 1, 1989 bearing interest rates determined otherwise than as provided in paragraph (a) of this Section.

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

(d) On such date as the Bank may specify by no less than six months' notice to the Borrower, paragraphs (a), (b) and (c) (iii) of this Section shall be amended to read as follows:

"(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 Quarter equal to the Cost of Qualified Borrowings determined in respect of the preceding Quarter, plus one-half of one percent ($1/2$ of 1%). On each of the dates specified in Section 2.06 of this Agreement, the Borrower shall pay interest accrued on the principal amount outstanding during the preceding Interest Period, calculated at the rates applicable during such Interest Period."

"(b) As soon as practicable after the end of each Quarter, the Bank shall notify the Borrower and the Guarantor of the Cost of Qualified Borrowings determined in respect of such Quarter."

"(c) (iii) 'Quarter' means a three-month period commencing on January 1, April 1, July 1 or October 1 in

a calendar year."

Section 2.06. Interest and other charges shall be payable semiannually on February 1 and August 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.

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, shall carry out the Project with due diligence and efficiency and in conformity with appropriate administrative, financial, public utility and engineering practices, and shall provide, promptly as needed, the funds, facilities, services and other resources required for the Project.

(b) Without limitation upon the provisions of paragraph (a) of this Section and except as the Bank and the Borrower shall otherwise agree, the Borrower shall carry out the Project in accordance with the Implementation Program set forth in Schedule 5 to this Agreement.

Section 3.02. The Borrower shall:

(a) carry out the Action Plan, including a timetable, satisfactory to the Bank, for the purposes of restructuring the Borrower's organizational arrangements for solid waste management;

(b) not later than September 30 of each year, review with the Bank: (i) the progress achieved in carrying out said Action Plan and the timetable for implementing the components of said Action Plan; and (ii) the modifications proposed by the Borrower for updating such Action Plan;

(c) not later than November 30, furnish to the Bank for review and approval the modifications proposed for updating said Action Plan in the event the Bank and the Borrower do not reach an agreement on the Borrower's initial proposal pursuant to subparagraph (b) above; and

(d) thereafter carry out said Action Plan as modified in agreement with the Bank.

Section 3.03. The Borrower shall, during detailed design and construction supervision, carry out a plan, satisfactory to the Bank, for mitigating the environmental impacts of the Project.

Section 3.04. 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.

ARTICLE IV

Management and Operations of the Borrower

Section 4.01. The Borrower shall carry on its operations and conduct its affairs in accordance with sound administrative, financial and public utility practices under the supervision of qualified and experienced management assisted by competent staff in adequate numbers.

Section 4.02. The Borrower shall at all times operate and maintain its plants, machinery, equipment and other property, and from time to time, promptly as needed, make all necessary repairs and renewals thereof, all in accordance with sound engineering, financial and public utility practices.

Section 4.03. The Borrower shall take out and maintain with responsible insurers, or make other provision satisfactory to the Bank for insurance against such risks and in such amounts as shall be consistent with appropriate practice.

ARTICLE V

Financial Covenants

Section 5.01. (a) The Borrower shall maintain records and accounts adequate to reflect in accordance with sound accounting practices its operations and financial condition.

(b) The Borrower shall:

- (i) have the Project accounts and the records and accounts 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, (A) certified copies of its financial statements for such year as so audited and (B) the report of such audit by said auditors, of such scope and in such detail as the Bank shall have reasonably requested; and
- (iii) furnish to the Bank such other information concerning said records, accounts and financial statements as well as the audit thereof as the Bank shall from time to time reasonably request.

ARTICLE VI

Remedies of the Bank

Section 6.01. Pursuant to Section 6.02 (b) of the General Conditions, the following additional event is specified, namely, that the Metropolitan Municipalities Law shall have been amended, suspended, abrogated, repealed or waived in such a way as to materially or adversely affect the ability of the Borrower to carry out the obligations set forth in this Agreement.

ARTICLE VII

Effective Date; Termination

Section 7.01. The following event is specified as an additional condition to the effectiveness of the Loan Agreement within the meaning of Section 12.01 (c) of the General Conditions, namely, that the Borrower shall have selected consultants to assist in carrying out the institutional development requirements of the Action Plan.

Section 7.02. 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 VIII

Representative of the Borrower; Addresses

Section 8.01. The General Secretary of the Borrower is designated as representative of the Borrower for the purposes of Section 11.03 of the General Conditions.

Section 8.02. The following addresses are specified for the purposes of Section 11.01 of the General Conditions:

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:

248423 (RCA)
82987 (FTCC)
64145 (WUI) or
197688 (TRT)

For the Borrower:

Bursa Metropolitan Municipality
Ucak Sk. No. 1
Bursa
Republic of Turkey

Telex:

32302 BSM

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.

INTERNATIONAL BANK FOR
RECONSTRUCTION AND DEVELOPMENT

By /s/ M. Wiehen
Acting Regional Vice President
Europe and Central Asia

BURSA METROPOLITAN MUNICIPALITY

By /s/ A. M. Egilmez
Authorized Representative

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) Civil works	3,400,000	48%
(2) Goods	4,300,000	48%

(3) Technical Assistance		100%
(a) Engineering and Project Management Unit	1,500,000	
(b) Institutional strengthening and training	1,900,000	
(4) Refunding of Project Preparation Advance	400,000	Amount due pursuant to Section 2.02 (c) of this Agreement
(5) Unallocated	1,000,000	
	<hr/>	
TOTAL	12,500,000	=====

2. 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 to exceed \$1,200,000, may be made in respect of Category (1) on account of payments made for expenditures before that date but after November 1, 1992.

SCHEDULE 2

Description of the Project

The objectives of the Project are to: (a) improve environment conditions and reduce health hazards in the Bursa metropolitan area; (b) improve the institutional arrangements regarding the management of municipal solid waste services, including the demand from the poor living on the fringes of Bursa; and (c) implement appropriate cost recovery policies.

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: Rehabilitation of Existing Dump Site

Carrying out of fire control works, stream diversion, bund construction, leachate control works, regrading and replanting, collection ditch construction and venting of landfill gas.

Part B: Development of New Landfill Site

Construction of an access road of about 2.5 km, site excavation and clearing, construction of a bund, construction of small building for office and maintenance, installation of a weighbridge and supply of earth moving equipment.

Part C: Waste Transfer Station

Construction of a 600 tonnes/day waste transfer station with two covered tipping halls, two weighbridges, one mobile grab, one loader and two slave tractors.

Part D: Collection Vehicles

Provision of collection vehicles for municipal waste and industrial waste.

Part E: Clinical Waste Incinerators

Provision of facilities for the installation of two clinical waste incinerators and two 20 m3 box vans for collection.

Part F: Consultants' Services and Training

(1) Provision of technical assistance relating to Project implementation as follows: (a) detailed design and construction supervision for the solid waste management works; and (b) detailed design for the next phase of development of the new landfill site.

(2) Provision of technical assistance to strengthen the institutional capacity of the Borrower in the following areas: (a) waste collection and transfer; (b) clinical waste; and (c) industrial waste.

* * *

The Project is expected to be completed by December 31, 2000.

SCHEDULE 3

Amortization Schedule

Date Payment Due	Payment of Principal (expressed in dollars)*
On each February 1 and August 1	
beginning August 1, 1998 through August 1, 2009	520,000
On February 1, 2010	540,000

* 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

Pursuant to Section 3.04 (b) of the General Conditions, the premium payable on the principal amount of any maturity of the Loan to be prepaid shall be the percentage specified for the applicable time of prepayment below:

Time of Prepayment	Premium
	The interest rate (expressed as a percentage per annum) applicable to the Loan on the day of prepayment multiplied by:
Not more than three years before maturity	0.18
More than three years but not more than six years before maturity	0.35
More than six years but not more than 11 years before maturity	0.65
More than 11 years but not more than 15 years before maturity	0.88
More than 15 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 works 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 1992 (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 in Turkey may be granted a margin of preference in accordance with, and subject to, the provisions of paragraphs 2.55 and 2.56 of the Guidelines and paragraphs 1 through 4 of Appendix 2 thereto.

Part C: Other Procurement Procedures

Civil works estimated to cost the equivalent of \$1,500,000 or less per contract, up to an aggregate amount equivalent to \$2,500,000, may be procured under contracts awarded on the basis of competitive bidding, advertised locally, in accordance with procedures satisfactory 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 for goods estimated to cost the equivalent of \$500,000 or more and to each contract for works 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, said 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 6 to this 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 the Borrower in carrying out the Project, the Borrower shall employ management, financial and engineering 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

Implementation Program

1. Project Management Unit

The Borrower shall, until completion of the Project, maintain the Project Management Unit (PMU), on the basis of terms of reference satisfactory to the Bank, for the sole function of administration of the Project with the support of the New Works Division of the Borrower's Solid Waste Department. The PMU shall have such staff and facilities as shall be required to perform its technical and administrative responsibilities under the Project, including a director and not less than two specialists (an engineer and a financial analyst) whose qualifications and experience shall be satisfactory to the Bank. The PMU shall be responsible for, inter alia: (a) the preparation of terms of reference, administration of proposal evaluation and award of contracts for consultants' services and training; and (b) supervision of the work of consultants employed under the Project and the training provided under the Project. The PMU shall also be responsible for monitoring Project implementation and expenditures, preparing withdrawal applications and preparing and furnishing to the Bank reports on Project implementation.

2. Reporting Requirements

The Borrower shall prepare and furnish to the Guarantor and the Bank: (a) not later than 60 days after each calendar quarter ending March 31, June 30, September 30 and December 31, a consolidated report on Project implementation for the preceding quarter covering the physical progress measured against construction and procurement schedules and monitoring indicators acceptable to the Bank; and (b) not later than six months after the date set forth in Section 2.03 of this Agreement, furnish to the Bank the Project completion report.

SCHEDULE 6

Special Account

1. For the purposes of this Schedule:

(a) the term "eligible Categories" means Categories (1), (2) and (3) 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 \$1,000,000 to be withdrawn from the Loan Account and deposited in the Special Account pursuant to paragraph 3 (a) of this Schedule.

2. 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 shall be made as follows:

(a) For withdrawals of the Authorized Allocation, the Borrower shall furnish to the Bank a request or requests for a deposit or deposits which do not exceed the aggregate amount of the Authorized Allocation. On the basis of such request or requests, 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) (i) For replenishment of the Special Account, the Borrower shall furnish to the Bank requests for deposits into the Special Account at such intervals as the Bank shall specify.
- (ii) 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 paragraph 4 of this Schedule 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.

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 said documents and other evidence.

4. 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.

5. Notwithstanding the provisions of paragraph 3 of this Schedule, the Bank shall not be required to make further deposits into the Special Account:

(a) if, at any time, 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 Article V of the General Conditions and paragraph (a) of Section 2.02 of this Agreement; or

(b) once the total unwithdrawn amount of the Loan allocated to the eligible Categories, less 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 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 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 an expenditure or in an amount not eligible pursuant to paragraph 2 of this Schedule; or (ii) was not justified by the evidence furnished to the Bank, the Borrower shall, promptly upon notice from the Bank: (A) provide such additional evidence as the Bank may request; or (B) 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. 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 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.

(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 paragraphs 6 (a), (b) and (c) of this Schedule shall be credited to the Loan Account for subsequent withdrawal or for cancellation in accordance with the relevant provisions of this Agreement, including the General Conditions.

