
LOAN NUMBER 3020-TIM

LOAN AGREEMENT
(Ordinary Operations)
(Road Network Upgrading Sector Project)

between

DEMOCRATIC REPUBLIC OF TIMOR-LESTE

and

ASIAN DEVELOPMENT BANK

DATED 18 NOVEMBER 2013

TIM 46260

**LOAN AGREEMENT
(Ordinary Operations)**

LOAN AGREEMENT dated 18 November 2013 between the DEMOCRATIC REPUBLIC OF TIMOR-LESTE ("Borrower") and ASIAN DEVELOPMENT BANK ("ADB").

WHEREAS

(A) the Borrower has applied to ADB for a loan for the purposes of the Project described in Schedule 1 to this Loan Agreement;

(B) by an agreement of even date herewith, entered between ADB and the Borrower ("Special Operations Loan Agreement"), ADB has agreed to provide to the Borrower a loan from ADB's Special Funds resources in various currencies equivalent to six million six hundred seventy two thousand Special Drawing Rights (SDR6,672,000) for the purposes of the Project; and

(C) ADB has agreed to make a loan to the Borrower from ADB's ordinary capital resources upon the terms and conditions set forth herein;

NOW THEREFORE the parties hereto agree as follows:

ARTICLE I

Loan Regulations; Definitions

Section 1.01. All the provisions of the Ordinary Operations Loan Regulations Applicable to LIBOR-Based Loans Made from ADB's Ordinary Capital Resources, dated 1 July 2001 ("Loan Regulations"), are hereby made applicable to this Loan Agreement with the same force and effect as if they were fully set forth herein, subject, however, to the following modifications:

(a) Section 3.03 is deleted and the following is substituted therefor:

Commitment Charge; Credit; Maturity Premium.

(a) The Borrower shall pay a commitment charge on the unwithdrawn amount of the Loan at the rate and on the terms specified in the Loan Agreement.

(b) ADB shall provide to the Borrower a credit at the rate specified in the Loan Agreement, which credit shall remain fixed for the term of the Loan. ADB shall apply the credit against the interest payable by the Borrower.

(c) The Borrower shall pay a maturity premium at the rate specified in the Loan Agreement, which maturity premium shall remain fixed for the term of the Loan. ADB shall

add the maturity premium to the interest payable by the Borrower.

- (b) Section 3.06 is deleted and the following is substituted therefor:

Rebate. (a) Following any announcement by ADB that the Fixed Spread applicable to new Loans shall be reduced, ADB shall provide a Rebate to any Borrower with an outstanding Loan on which a higher Fixed Spread is applicable. The amount of the Rebate shall be determined by multiplying (i) the difference between the Fixed Spread applicable to the outstanding Loan and the Fixed Spread that will be applied to new Loans (expressed as a percentage per annum), by (ii) the principal amount of the outstanding Loan on which the Borrower shall pay interest for all interest periods commencing on and after the effective date of the lower Fixed Spread that will be applied to new Loans.

(b) Following any announcement by ADB that its Funding Cost Margin calculations with respect to any Loan Currency (or Approved Currency) in any Semester resulted in ADB achieving savings, ADB shall provide a Rebate to the Borrower. The amount of the Rebate shall be determined by multiplying (i) the Funding Cost Margin (expressed as a percentage per annum) by (ii) the principal amount of the Loan on which the Borrower shall pay interest for the Interest Period commencing immediately after the Semester for which the Funding Cost Margin was calculated. ADB shall apply the amount of the Rebate against the interest payable by the Borrower for the Interest Period commencing immediately after the Semester for which the Funding Cost Margin was calculated.

- (c) Section 3.07 is deleted and the following is substituted therefor:

Surcharge. (a) Following any announcement by ADB that the Fixed Spread applicable to new Loans shall be increased, any Borrower with an outstanding Loan on which a lower Fixed Spread is applicable shall pay ADB a Surcharge. The amount of the Surcharge shall be determined by multiplying (i) the difference between the Fixed Spread that will be applied to new Loans and the Fixed Spread applicable to the outstanding Loan (expressed as a percentage per annum), by (ii) the principal amount of the outstanding Loan on which the Borrower shall pay interest for all interest periods commencing on and after the effective date of the higher Fixed Spread that will be applied to new Loans.

(b) Following any announcement by ADB that its Funding Cost Margin calculations with respect to any Loan Currency (or Approved Currency) in any Semester resulted in

ADB incurring additional costs, the Borrower shall pay ADB a Surcharge. The amount of the Surcharge shall be determined by multiplying (i) the Funding Cost Margin (expressed as a percentage per annum) by (ii) the principal amount of the Loan on which the Borrower shall pay interest for the Interest Period commencing immediately after the Semester for which the Funding Cost Margin was calculated. ADB shall add the amount of the Surcharge to the interest payable by the Borrower for the Interest Period commencing immediately after the Semester for which the Funding Cost Margin was calculated.

Section 1.02. Wherever used in this Loan Agreement, the several terms defined in the Loan Regulations have the respective meanings therein set forth unless modified herein or the context otherwise requires. Additional terms used in this Loan Agreement have the following meanings:

(a) “CAFI” means the Borrower’s Conselho de Administracao do Fundo Infraestrutura, established pursuant to Decree - Law No. 8/2011, on Regulations on the Fund for Infrastructure, or any successor thereto;

(b) “Consulting Guidelines” means the Guidelines on the Use of Consultants by Asian Development Bank and its Borrowers (2013, as amended from time to time);

(c) “Consulting Services” means the services to be financed out of the proceeds of the Loan as described in paragraph 2 of Schedule 1 to this Loan Agreement;

(d) “EARF” means the environmental assessment and review framework for the Project, including any update thereto, prepared and submitted by the Borrower and cleared by ADB;

(e) “EMP” means the environmental management plan for each Subproject, including any update thereto, incorporated in the IEE;

(f) “Environmental Safeguards” means the principles and requirements set forth in Chapter V, Appendix 1, and Appendix 4 (as applicable) of the SPS;

(g) “GAP” means the gender action plan for the Project, prepared and submitted by the Borrower and cleared by ADB;

(h) “Goods” means equipment and materials to be financed out of the proceeds of the Loan, including related services such as transportation, insurance, installation, commissioning, training, and initial maintenance, but excluding Consulting Services;

(i) “IEE” means the initial environmental examination for each Subproject, including any update thereto, prepared and submitted by the Borrower and cleared by ADB;

(j) “Involuntary Resettlement Safeguards” means the principles and requirements set forth in Chapter V, Appendix 2, and Appendix 4 (as applicable) of the SPS;

(k) "Loan Disbursement Handbook" means ADB's Loan Disbursement Handbook (2012, as amended from time to time);

(l) "MOTC" means the Borrower's Ministry of Transport and Communications, or any successor thereto;

(m) "MPW" means the Borrower's Ministry of Public Works, or any successor thereto;

(n) "PAM" means the project administration manual for the Project dated 22 July 2013 and agreed between the Borrower and ADB, as updated from time to time in accordance with the respective administrative procedures of the Borrower and ADB;

(o) "PMU" means the project management unit established within the MPW;

(p) "Procurement Guidelines" means ADB's Procurement Guidelines (2013, as amended from time to time);

(q) "Procurement Plan" means the procurement plan for the Project dated 22 July 2013 and agreed between the Borrower and ADB, as updated from time to time in accordance with the Procurement Guidelines, the Consulting Guidelines, and other arrangements agreed with ADB;

(r) "Project Executing Agencies" or "EAs" means, for the purposes and within the meaning of the Loan Regulations, CAFI, which is responsible for the carrying out parts A, B, C and E of the Project and MOTC, which is responsible for the carrying out part D of the Project, or any successor thereto acceptable to ADB;

(s) "Project Implementing Agencies" or "IAs" means MPW, which is responsible for implementing parts A, B, C and E of the Project and MOTC, which is responsible for implementing part D of the Project, or any successor thereto acceptable to ADB;

(t) "RF" means the resettlement framework for the Project, including any update thereto, prepared and submitted by the Borrower and cleared by ADB;

(u) "RP" means the resettlement plan for each Subproject, including any update thereto, prepared and submitted by the Borrower and cleared by ADB;

(v) "Safeguards Monitoring Report" means each report prepared and submitted by the Borrower to ADB that describes progress with implementation of and compliance with the EMP and the RP, including any corrective and preventative actions;

(w) "Safeguard Policy Statement" or "SPS" means ADB's Safeguard Policy Statement (2009);

(x) "Subproject" means each subproject referred to in Schedule 1 of this Loan Agreement; and

(y) "Works" means construction or civil works to be financed out of the proceeds of the Loan, including services such as drilling or mapping, and project related services that are provided as part of a single responsibility or turnkey contract, but excluding Consulting Services.

ARTICLE II

The Loan

Section 2.01. (a) ADB agrees to lend to the Borrower from ADB's ordinary capital resources an amount of forty million Dollar (\$40,000,000), as such amount may be converted from time to time through a Currency Conversion in accordance with the provisions of Section 2.06 of this Loan Agreement.

(b) The Loan has a principal repayment period of 20 years, and a grace period as defined in subsection (c) hereinafter.

(c) The term "grace period" as used in subsection (b) hereinabove means the period prior to the first Principal Payment Date in accordance with the amortization schedule set forth in Schedule 2 to this Loan Agreement.

Section 2.02. The Borrower shall pay to ADB 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 sum of:

- (a) LIBOR;
- (b) 0.60% as provided by Section 3.02 of the Loan Regulations less a credit of 0.20% as provided by Section 3.03 of the Loan Regulations; and
- (c) a maturity premium of 0.10% as provided by Section 3.03 of the Loan Regulations.

Section 2.03. The Borrower shall pay a commitment charge of 0.15% per annum. Such charge shall accrue on the full amount of the Loan (less amounts withdrawn from time to time), commencing 60 days after the date of this Loan Agreement.

Section 2.04. Interest and other charges on the Loan shall be payable semiannually on 15 April and 15 October in each year.

Section 2.05. The Borrower shall repay the principal amount of the Loan withdrawn from the Loan Account in accordance with the provisions of Schedule 2 to this Loan Agreement.

Section 2.06. (a) The Borrower may at any time request any of the following Conversions of the terms of the Loan in order to facilitate prudent debt management:

- (i) a change of the Loan Currency of all or any portion of the principal amount of the Loan, whether withdrawn and outstanding or unwithdrawn, to an Approved Currency;
- (ii) a change of the interest rate basis applicable to all or any portion of the principal amount of the Loan withdrawn and outstanding from a Floating Rate to a Fixed Rate, or vice versa; and
- (iii) the setting of limits on the Floating Rate applicable to all or any portion of the principal amount of the Loan withdrawn and outstanding by the establishment of an Interest Rate Cap or Interest Rate Collar on said Floating Rate.

(b) Any conversion requested pursuant to subsection (a) hereinabove that is accepted by ADB shall be considered a "Conversion", as defined in Section 2.01(6) of the Loan Regulations, and shall be effected in accordance with the provisions of Article V of the Loan Regulations and the Conversion Guidelines.

ARTICLE III

Use of Proceeds of the Loan

Section 3.01. The Borrower shall cause the proceeds of the Loan to be applied to the financing of expenditures on the Project in accordance with the provisions of this Loan Agreement.

Section 3.02. The proceeds of the Loan shall be allocated and withdrawn in accordance with the provisions of Schedule 3 to this Loan Agreement, as such Schedule may be amended from time to time by agreement between the Borrower and ADB.

Section 3.03. Except as ADB may otherwise agree, the Borrower shall procure, or cause to be procured, the items of expenditure to be financed out of the proceeds of the Loan in accordance with the provisions of Schedule 4 to this Loan Agreement. ADB may refuse to finance a contract where any such item has not been procured under procedures substantially in accordance with those agreed between the Borrower and ADB or where the terms and conditions of the contract are not satisfactory to ADB.

Section 3.04. Except as ADB may otherwise agree, the Borrower shall cause all items of expenditure financed out of the proceeds of the Loan to be used exclusively in the carrying out of the Project.

Section 3.05. The Loan Closing Date for the purposes of Section 9.02 of the Loan Regulations shall be 30 June 2020 or such other date as may from time to time be agreed between the Borrower and ADB.

ARTICLE IV

Particular Covenants

Section 4.01. (a) The Borrower shall cause the Project to be carried out with due diligence and efficiency and in conformity with sound applicable technical, financial, business, and development practices.

(b) In the carrying out of the Project and operation of the Project facilities, the Borrower shall perform, or cause to be performed, all obligations set forth in Schedule 5 to this Loan Agreement.

Section 4.02. The Borrower shall make available, promptly as needed and on terms and conditions acceptable to ADB, the funds, facilities, services, land and other resources, as required, in addition to the proceeds of the Loan, for the carrying out of the Project and for the operation and maintenance of the Project facilities.

Section 4.03. (a) Whenever applicable, in the carrying out of the Project, the Borrower shall cause competent and qualified consultants and contractors, acceptable to ADB to be employed to an extent and upon terms and conditions satisfactory to the Borrower and ADB.

(b) The Borrower shall cause the Project to be carried out in accordance with plans, design standards, specifications, work schedules and construction methods acceptable to the Borrower and ADB, as applicable. The Borrower shall furnish, or cause to be furnished, to ADB, promptly after their preparation, such plans, design standards, specifications and work schedules, and any material modifications subsequently made therein, in such detail as ADB shall reasonably request.

Section 4.04. The Borrower shall ensure that the activities of its departments and agencies with respect to the carrying out of the Project and operation of the Project facilities are conducted and coordinated in accordance with sound administrative policies and procedures.

Section 4.05 (a) The Borrower shall (i) maintain separate accounts and records for the Project; (ii) prepare annual financial statements for the Project in accordance with accounting principles acceptable to ADB; (iii) have such financial statements audited annually by independent auditors whose qualifications, experience and terms of reference are acceptable to ADB, in accordance with international standards for auditing or the national equivalent acceptable to ADB; (iv) as part of each such audit, have the auditors prepare a report (which includes the auditors' opinion on the financial statements, use of the Loan proceeds and compliance with the financial covenants of this Loan Agreement as well as on the use of the procedures for imprest account and a management letter (which sets out the deficiencies in the internal control of the Project that were identified in the course of the audit, if any); and (v) furnish to ADB, no later than 6 months after the end of each related fiscal year, copies of such audited financial statements, audit report and management letter, all in the English language, and such other information concerning these documents and the audit thereof as ADB shall from time to time reasonably request.

(b) ADB shall disclose the annual audited financial statements for the Project and the opinion of the auditors on the financial statements within 30 days of the date of their receipt by posting them on ADB's website.

(c) The Borrower shall enable ADB, upon ADB's request, to discuss the financial statements for the Project and the Borrower's financial affairs where they relate to the Project with the auditors appointed pursuant to subsection (a)(iii) hereinabove, and shall authorize and require any representative of such auditors to participate in any such discussions requested by ADB. This is provided that such discussions shall be conducted only in the presence of an authorized officer of the Borrower, unless the Borrower shall otherwise agree.

Section 4.06. The Borrower shall enable ADB's representatives to inspect the Project, the Goods and Works, and any relevant records and documents.

Section 4.07. The Borrower shall ensure that any facilities relevant to the Project are operated, maintained and repaired in accordance with sound applicable technical, financial, business, development, operational and maintenance practices.

ARTICLE V

Effectiveness

Section 5.01. The following is specified as an additional condition for the purpose of Section 9.01(f) of the Loan Regulations: The Special Operations Loan Agreement shall have been duly executed and delivered on behalf of the Borrower, and all conditions precedent to its effectiveness (other than a condition requiring the effectiveness of this Loan Agreement) shall have been fulfilled.

Section 5.02. A date 90 days after the date of this Loan Agreement is specified for the effectiveness of this Loan Agreement for the purposes of Section 10.04 of the Loan Regulations.

ARTICLE VI

Miscellaneous

Section 6.01. The Minister of Finance of the Borrower is designated as representative of the Borrower for the purposes of Section 12.02 of the Loan Regulations.

Section 6.02. The following addresses are specified for the purposes of Section 12.01 of the Loan Regulations:

For the Borrower

Palacio do Governo
Ministry of Finance
Edificio 5, 1 Andar
Dili, Timor-Leste

Facsimile Number:

+670 332-1339.

For ADB

Asian Development Bank
6 ADB Avenue
Mandaluyong City
1550 Metro Manila
Philippines

Facsimile Numbers:

(632) 636-2444
(632) 636-2446.

IN WITNESS WHEREOF the parties hereto, acting through their representatives thereunto duly authorized, have caused this Loan Agreement to be signed in their respective names as of the day and year first above written and to be delivered at the principal office of ADB.

DEMOCRATIC REPUBLIC OF TIMOR-LESTE

By



EMILIA PIRES
Minister
Ministry of Finance

ASIAN DEVELOPMENT BANK

By



NORIKO OGAWA
Deputy Director General
Pacific Department

SCHEDULE 1

Description of the Project

1. The objective of the Project is to enable MPW to provide a more reliable and safer road network.
2. The Project shall consist of:
 - Part A: Upgrade and Climate Proof National Roads

Upgrade and climate-proof of about 117 kilometers of existing national roads, including the priority roads of 81km from Manatuto to Natarburo.
 - Part B: Prepare Detailed Designs for Future Priority Road Links

Prepare and complete detailed engineering design, and social and environmental due diligence, for approximately 169 kilometers of national roads.
 - Part C: Expansion of Performance-Based Road Maintenance

Contractors will be required to provide maintenance of the upgraded road sections for two years after physical completion and will be provided with training in performance maintenance and period performance-based contracts to be used for future maintenance.
 - Part D: Awareness on Road Safety and Transport Related Social Issues
 - i. Implement a community based road safety awareness program; and
 - ii. Initiate and implement a multi-year national road safety action plan.
 - Part E: Project Management Support

Provide project management support by strengthening the PMU.

Consulting services will be provided to support the above stated activities.
3. The Project is expected to be completed by 31 December 2019.

SCHEDULE 2**Amortization Schedule****(Road Network Upgrading Sector Project)**

1. The following table sets forth the Principal Payment Dates of the Loan and the percentage of the total principal amount of the Loan payable on each Principal Payment Date (Installment Share). If the proceeds of the Loan shall have been fully withdrawn as of the first Principal Payment Date, the principal amount of the Loan repayable by the Borrower on each Principal Payment Date shall be determined by ADB by multiplying: (a) the total principal amount of the Loan withdrawn and outstanding as of the first Principal Payment Date; by (b) the Installment Share for each Principal Payment Date, such repayment amount to be adjusted, as necessary, to deduct any amounts referred to in paragraph 4 of this Schedule, to which a Currency Conversion applies.

<u>Payment Due</u>	<u>Installment Share</u> (Expressed as a %)
15 April 2019	2.500000
15 October 2019	2.500000
15 April 2020	2.500000
15 October 2020	2.500000
15 April 2021	2.500000
15 October 2021	2.500000
15 April 2022	2.500000
15 October 2022	2.500000
15 April 2023	2.500000
15 October 2023	2.500000
15 April 2024	2.500000
15 October 2024	2.500000
15 April 2025	2.500000
15 October 2025	2.500000
15 April 2026	2.500000
15 October 2026	2.500000
15 April 2027	2.500000
15 October 2027	2.500000
15 April 2028	2.500000
15 October 2028	2.500000
15 April 2029	2.500000
15 October 2029	2.500000
15 April 2030	2.500000
15 October 2030	2.500000
15 April 2031	2.500000
15 October 2031	2.500000
15 April 2032	2.500000
15 October 2032	2.500000
15 April 2033	2.500000

<u>Payment Due</u>	<u>Installment Share</u> (Expressed as a %)
15 October 2033	2.500000
15 April 2034	2.500000
15 October 2034	2.500000
15 April 2035	2.500000
15 October 2035	2.500000
15 April 2036	2.500000
15 October 2036	2.500000
15 April 2037	2.500000
15 October 2037	2.500000
15 April 2038	2.500000
15 October 2038	2.500000
Total	100.000000

2. If the proceeds of the Loan shall not have been fully withdrawn as of the first Principal Payment Date, the principal amount of the Loan repayable by the Borrower on each Principal Payment Date shall be determined as follows:

(a) To the extent that any proceeds of the Loan shall have been withdrawn as of the first Principal Payment Date, the Borrower shall repay the amount withdrawn and outstanding as of such date in accordance with paragraph 1 of this Schedule.

(b) Any withdrawal made after the first Principal Payment Date shall be repaid on each Principal Payment Date falling after the date of such withdrawal in amounts determined by ADB by multiplying the amount of each such withdrawal by a fraction, the numerator of which shall be the original Installment Share specified in the table in paragraph 1 of this Schedule for said Principal Payment Date (the Original Installment Share) and the denominator of which shall be the sum of all remaining Original Installment Shares for Principal Payment Dates falling on or after such date, such repayment amounts to be adjusted, as necessary, to deduct any amounts referred to in paragraph 4 of this Schedule, to which a Currency Conversion applies.

3. Withdrawals made within two calendar months prior to any Principal Payment Date shall, for the purposes solely of calculating the principal amounts payable on any Principal Payment Date, be treated as withdrawn and outstanding on the second Principal Payment Date following the date of withdrawal and shall be repayable on each Principal Payment Date commencing with the second Principal Payment Date following the date of withdrawal.

4. Notwithstanding the provisions of paragraphs 1 and 2 of this Schedule, upon a Currency Conversion of all or any portion of the withdrawn principal amount of the Loan to an Approved Currency, the amount so converted in said Approved Currency that shall be repayable on any Principal Payment Date occurring during the Conversion Period, shall be determined by ADB by multiplying such amount in its currency of denomination immediately prior to said Conversion by either: (i) the exchange rate that reflects the amounts of principal in said Approved Currency payable by ADB under the Currency Hedge Transaction relating to said Conversion; or (ii) if ADB so determines in accordance with the Conversion Guidelines, the exchange rate component of the Screen Rate.

5. If the principal amount of the Loan withdrawn and outstanding from time to time shall be denominated in more than one Loan Currency, the provisions of this Schedule shall apply separately to the amount denominated in each Loan Currency, so as to produce a separate amortization schedule for each such amount.

SCHEDULE 3**Allocation and Withdrawal of Loan Proceeds**General

1. The table attached to this Schedule sets forth the Categories of items of expenditure to be financed out of the proceeds of the Loan and the allocation of the Loan proceeds to each such Category ("Table"). (Reference to "Category" in this Schedule is to a Category or Subcategory of the Table.)

Basis for Withdrawal from the Loan Account

2. Except as ADB may otherwise agree, the proceeds of the Loan shall be disbursed on the basis of the withdrawal percentage for each item of expenditure set forth in the Table.

Interest and Commitment Charges

3. The amount allocated to Category 3 is for financing interest and commitment charges on the Loan during the implementation period of the Project. ADB shall be entitled to withdraw from the Loan Account and pay to itself, on behalf of the Borrower, the amounts required to meet payments, when due, of such interest and commitment charges.

Reallocation

4. Notwithstanding the allocation of Loan proceeds and the withdrawal percentages set forth in the Table,

(a) if the amount of the Loan allocated to any Category appears to be insufficient to finance all agreed expenditures in that Category, ADB may, by notice to the Borrower, (i) reallocate to such Category, to the extent required to meet the estimated shortfall, amounts of the Loan which have been allocated to another Category but, in the opinion of ADB, are not needed to meet other expenditures, and (ii) if such reallocation cannot fully meet the estimated shortfall, reduce the withdrawal percentage applicable to such expenditures in order that further withdrawals under such Category may continue until all expenditures thereunder shall have been made; and

(b) if the amount of the Loan allocated to any Category appears to exceed all agreed expenditures in that Category, ADB may, by notice to the Borrower, reallocate such excess amount to any other Category.

Disbursement Procedures

5. Except as ADB may otherwise agree, the Loan proceeds shall be disbursed in accordance with the Loan Disbursement Handbook.

TABLE

ALLOCATION AND WITHDRAWAL OF LOAN PROCEEDS (Road Network Upgrading Sector Project)				
Number	Item	Total Amount Allocated for ADB Financing (\$)		Basis for Withdrawal from the Loan Account
		Category	Subcategory	
1	Works	31,890,000		
1A	Manatuto to Natarbora		26,570,000	39.5% of total expenditure claimed
1B	Other National Roads		5,320,000	35% of total expenditure claimed
2	Consulting Services – Design Supervision	450,000		6.2% of total expenditure claimed
3	Interest and Commitment Charges	1,200,000		100% of amounts due
4	Unallocated	6,460,000		
	Total	40,000,000		

SCHEDULE 4

Procurement of Goods, Works and Consulting Services

General

1. The procurement of Goods, Works and Consulting Services shall be subject to and governed by the Procurement Guidelines, and the Consulting Guidelines, respectively.
2. All terms used in this Schedule and not otherwise defined in this Loan Agreement have the meanings provided in the Procurement Guidelines and/or the Consulting Guidelines, as applicable.

Goods and Works

3. Except as ADB may otherwise agree, Goods and Works shall only be procured on the basis of the methods of procurement set forth below:
 - (a) International Competitive Bidding;
 - (b) National Competitive Bidding; and
 - (c) Shopping.
4. The methods of procurement are subject to, among other things, the detailed arrangements and threshold values set forth in the Procurement Plan. The Borrower may only modify the methods of procurement or threshold values with the prior agreement of ADB, and modifications must be set out in updates to the Procurement Plan.

National Competitive Bidding

5. The Borrower and ADB shall ensure that, prior to the commencement of any procurement activity under national competitive bidding, the Borrower's national competitive bidding procedures are consistent with the Procurement Guidelines. Any modifications or clarifications to such procedures agreed between the Borrower and ADB shall be set out in the Procurement Plan. Any subsequent change to the agreed modifications and clarifications shall become effective only after approval of such change by the Borrower and ADB.

Conditions for Award of Contract

6. The Borrower shall not award any Works contracts until:
 - (a) The National Directorate of Environment of the Borrower has granted the final approval of the relevant IEE; and
 - (b) the Borrower has been incorporated the relevant provisions from the EMP into the Works contract.
7. The Borrower shall not award any Works contract that involves involuntary resettlement impacts, until the Borrower has prepared and submitted to ADB the relevant final RP based on the Project's detailed design, and obtained ADB's clearance of such RP.

8. The Borrower ensure that any Works shall not commence until:
- (a) the contractor has received induction training on environmental management delivered by the PMU or supervision consultant and submitted the relevant EMP for review and clearance;
 - (b) the relevant EMP has been reviewed and cleared by the PMU and supervision consultant; and
 - (c) an environment license has been obtained from the National Directorate of Environment.

Consulting Services

9. Except as ADB may otherwise agree, the Borrower shall apply quality- and cost-based selection for selecting and engaging Consulting Services.
10. The Borrower shall recruit the individual consultants in accordance with procedures acceptable to ADB for recruiting individual consultants.

Industrial or Intellectual Property Rights

11. The Borrower shall ensure that all Goods and Works procured (including without limitation all computer hardware, software and systems, whether separately procured or incorporated within other goods and services procured) do not violate or infringe any industrial property or intellectual property right or claim of any third party.
12. The Borrower shall ensure that all contracts for the procurement of Goods and Works contain appropriate representations, warranties and, if appropriate, indemnities from the contractor or supplier with respect to the matters referred to in subparagraph (a) of this paragraph.
13. The Borrower shall ensure that all ADB-financed contracts with consultants contain appropriate representations, warranties and, if appropriate, indemnities from the consultants to ensure that the Consulting Services provided do not violate or infringe any industrial property or intellectual property right or claim of any third party.

ADB's Review of Procurement Decisions

14. Contracts procured under international competitive bidding procedures and contracts for Consulting Services shall be subject to prior review by ADB, unless otherwise agreed between the Borrower and ADB and set forth in the Procurement Plan.

SCHEDULE 5

Execution of Project; Financial Matters

Implementation Arrangements

1. The Borrower, CAFI, MPW and MOTC shall ensure that the Project is implemented in accordance with the detailed arrangements set forth in the PAM. Any subsequent change to the PAM shall become effective only after approval of such change by the Borrower and ADB. In the event of any discrepancy between the PAM and this Loan Agreement, the provisions of this Loan Agreement shall prevail.

Counterpart Support

2. The Borrower and CAFI shall make available adequate budgetary allocations of the required counterpart funds in respect of the Project on a timely and regular basis. The Borrower will meet any financing shortfall to ensure that the Project and the Subprojects are fully implemented.

Project Website

3. Within 12 months after the Effective Date, MPW with the support of the PMU, shall create a Project website to disclose information about various matters on the Project, including procurement. With regard to procurement, the website will include information on the list of participating bidders, name of the winning bidder, basic details on bidding procedures adopted, amount of contract awarded, and the list of goods/services procured.

Grievance Redress Mechanism

4. Within 12 months after the Effective Date, MPW with the support of the PMU, shall prepare a Grievance Redress Mechanism, acceptable to ADB, and establish a special committee to receive and resolve complaints/grievances or act upon reports from stakeholders on misuse of funds and other irregularities, including grievances due to resettlement. The special committee will (i) make public of the existence of this Grievance Redress Mechanism, (ii) review and address grievances of stakeholders of the Project, in relation to either the Project, any of the service providers, or any person responsible for carrying out any aspect of the Project; and (iii) proactively and constructively responding to them.

Environment

5. The Borrower shall ensure that the preparation, design, construction, implementation, operation and decommissioning of the Subprojects and all Project facilities comply with (a) all applicable laws and regulations of the Borrower relating to environment, health and safety; (b) the Environmental Safeguards; and (c) all measures and requirements set forth in the relevant IEE and EMP, and any corrective or preventative actions set forth in a Safeguards Monitoring Report.

Land Acquisition and Involuntary Resettlement

6. The Borrower shall ensure that all land and all rights-of-way required for a Subproject are made available to the Works contractor in accordance with the schedule agreed under the related Works contract and all land acquisition and resettlement activities are implemented in compliance with (a) all applicable laws and regulations of the Borrower relating to land acquisition and involuntary resettlement; (b) the Involuntary Resettlement Safeguards; and (c) all measures and requirements set forth in the relevant RP, and any corrective or preventative actions set forth in the Safeguards Monitoring Report.

7. Without limiting the application of the Involuntary Resettlement Safeguards or the relevant RP, the Borrower shall ensure that no physical or economic displacement takes place in connection with the Subprojects until:

- (a) compensation and other entitlements have been provided to affected people in accordance with the RP; and
- (b) a comprehensive income and livelihood restoration program has been established in accordance with the RP.

Indigenous Peoples

8. The Borrower shall ensure that the Project does not have any indigenous people's impacts within the meaning of the Safeguard Policy Statement. In the event that a Subproject does have any such impact, the Borrower shall take all steps required to ensure that the Subproject complies with the applicable laws and regulations of the Borrower, the Safeguard Policy Statement and any corrective or preventative actions set forth in a Safeguards Monitoring Report.

Human and Financial Resources to Implement Safeguards Requirements

9. The Borrower shall make available necessary budgetary and human resources to fully implement the EMP and the RP.

Safeguards – Related Provisions in Bidding Documents and Works Contracts

10. The Borrower shall ensure that all bidding documents and contracts for Works contain provisions that require contractors to:

- (a) comply with the measures relevant to the contractor set forth in the relevant IEE, the EMP and the RP (to the extent they concern impacts on affected people during construction), and any corrective or preventative actions set forth in a Safeguards Monitoring Report;
- (b) make available a budget for all such environmental and social measures;
- (c) provide the Borrower, through CAFI, with a written notice of any unanticipated environmental, resettlement or indigenous peoples risks

or impacts that arise during construction, implementation or operation of any Subproject that were not considered in the relevant IEE, the EMP and the RP;

- (d) adequately record the condition of roads, agricultural land and other infrastructure prior to starting to transport materials and construction; and
- (e) reinstate pathways, other local infrastructure, and agricultural land to at least their pre-project condition upon the completion of construction.

Safeguards Monitoring and Reporting

11. The Borrower shall do the following:
- (a) submit semi-annual Safeguards Monitoring Reports to ADB and disclose relevant information from such reports to affected persons promptly upon submission;
 - (b) if any unanticipated environmental and/or social risks and impacts arise during construction, implementation or operation of any Subproject that were not considered in the relevant IEE, the EMP and the RP, promptly inform ADB of the occurrence of such risks or impacts, with detailed description of the event and proposed corrective action plan; and
 - (c) report any actual or potential breach of compliance with the measures and requirements set forth in the EMP or the RP promptly after becoming aware of the breach.

Prohibited List of Investments

12. The Borrower shall ensure that no proceeds of the Loan are used to finance any activity included in the list of prohibited investment activities provided in Appendix 5 of the SPS.

Labor Standards

13. The Borrower shall ensure that Works contracts and bidding documents under each Subproject include specific provisions requiring contractors to comply with all (a) applicable labor laws and core labor standards on (i) prohibition of child labor as defined in national legislation for construction and maintenance activities, (ii) equal pay for equal work of equal value regardless of gender, ethnicity or caste, and (iii) elimination of forced labor; and (iv) the requirement to disseminate information on sexually transmitted diseases including HIV/AIDS to employees and local communities.

Gender and Development

14. To ensure that women benefit equally from the Project and interventions avoid gender bias, the Borrower, CAFI, MPW and MOTC shall ensure that the Project shall be carried out in accordance with ADB's Policy on Gender and Development (1998) and the Gender Action Plan that has been prepared for the Project and agreed between the Borrower and ADB.

Operation and Maintenance

15. The Borrower and CAFI shall ensure that sufficient fund shall be earmarked in their respective operation and maintenance budget, allocated and released on timely basis, for the maintenance and rehabilitation of the Project facilities. The Borrower shall ensure that the Project facilities are properly maintained and that proper technical supervision and adequate routine funds shall be provided. CAFI and MPW will prepare annual maintenance plans prepared throughout Project period and after the Project are completed.

Governance and Anticorruption

16. The Borrower, CAFI, MPW and MOTC shall (a) comply with ADB's Anticorruption Policy (1998, as amended to date) and acknowledge that ADB reserves the right to investigate directly, or through its agents, any alleged corrupt, fraudulent, collusive or coercive practice relating to the Project; and (b) cooperate with any such investigation and extend all necessary assistance for satisfactory completion of such investigation.

17. The Borrower, CAFI, MPW and MOTC shall ensure that the anticorruption provisions acceptable to ADB are included in all bidding documents and contracts, including provisions specifying the right of ADB to audit and examine the records and accounts of the executing and implementing agencies and all contractors, suppliers, consultants, and other service providers as they relate to the Project.

Project Performance and Monitoring System

18. Within 9 months after Effective Date, MPW shall establish a project performance monitoring system in line with the targets, indicators set in the DMF. Within 12 months of Effective Date, the baseline data corresponding to indicators and targets set out in the Project status report shall be updated during the detailed design stage, disaggregated by income levels and sex as required. After the initial baseline survey, the PMU with support of the consultants shall conduct annual survey and quarterly monitoring of indicators and submit quarterly report to ADB throughout project implementation.