

## PROJECT PREPARATORY TECHNICAL ASSISTANCE

### Terms of Reference for Tajikistan: CAREC Corridors 2, 5 and 6 Road Project (Dushanbe–Kurgonteppa)

#### A. Justification

1. The Government of Tajikistan (the government) has requested project preparatory technical assistance (PPTA) from the Asian Development Bank (ADB) to identify, formulate and prepare a loan and/or grant for a 20 km section of the Dushanbe to Kurgonteppa road, which forms part of CAREC corridors 2, 5 and 6. The project will also improve road safety through provision of funding for safe urban areas, and will strengthen road asset management through the provision of a road asset management system for the Ministry of Transport (MoT). The PPTA will provide an overall concept design for the entire 90 km Dushanbe–Kurgonteppa road, and will complete technical, economic, financial, social, and environmental due diligence in accordance with ADB's requirements for the 20 km section to be financed by ADB.

#### B. Major Outputs and Activities

2. The main outcome of the PPTA is a feasibility study covering the entire corridor between Dushanbe and Kurgonteppa. The feasibility study will study sectioning of the road; it is envisaged that ADB may finance up to 2 sections with other development partners financing remaining sections. The major outputs and activities are presented in Table A3.1.

**Table A3.1: Summary of Major Outputs and Activities**

Task	Major Activities	Expected Completion Date	Major Outputs
	Consultant mobilization	Month 1	Work program; Inception report
Task 1	Road sector assessment and road map	Months 1 to 5	<ul style="list-style-type: none"> <li>• Summary road sector assessment report including sector roadmap and undertakings.</li> <li>• Sector policy framework.</li> </ul>
Task 2	Feasibility study and engineering design	Months 1 to 8	<ul style="list-style-type: none"> <li>• Preliminary engineering design</li> <li>• Procurement capacity assessment</li> <li>• Project procurement risk assessment and management plan</li> <li>• Procurement plan</li> <li>• Draft bid documents including for civil works and design and supervision consultancy</li> <li>• TOR for design and supervision consultancy</li> <li>• Project administration manual and design and monitoring framework</li> <li>• Final feasibility study report</li> <li>• Road safety audit</li> <li>• Report outlining proposed sectioning of roads to be discussed and agreed with interested financiers</li> <li>• RAMS action plan</li> </ul>

Task	Major Activities	Expected Completion Date	Major Outputs
Task 3	Environment and social safeguards survey and analysis, validation of indigenous people existence and analysis	Months 3 to 6	<ul style="list-style-type: none"> <li>• Rapid environmental assessment checklist</li> <li>• IEE report</li> <li>• Draft LARP report</li> <li>• IP report</li> <li>• EMP</li> </ul>
Task 4	Social, poverty and gender analysis	Months 3 to 6	Social, poverty and gender report
Task 5	Financial analysis and management assessment	Months 5 to 6	Financial analysis report, summary financial analysis report, risk assessment and risk management plan (financial, procurement, governance)
Task 6	Economic assessment	Months 4 to 6	Economic analysis report, summary economic analysis report

EMP = environment management plan; IEE = initial environmental examination; IP = indigenous peoples; LARP = land acquisition and resettlement plan; RAMS = road asset management system; TOR = terms of reference.  
Source: Asian Development Bank.

### C. Cost Estimate and Proposed Financing Arrangement

3. The TA is estimated to cost \$1,100,000 equivalent, of which \$1,000,000 equivalent will be financed on a grant basis by ADB's Technical Assistance Special Fund (TASF-V). The Government will provide counterpart support in the form of in-kind contributions of counterpart staff, office supplies, secretarial assistance, domestic transportation, provision of office space, and other in-kind contributions. The detailed cost estimate is presented below.

**Table A3.2: Cost Estimates and Financing Plan**  
(\$'000)

Item	Total Cost
<b>Asian Development Bank<sup>a</sup></b>	
1. Consultants	
a. Remuneration and per diem	
i. International consultants (30 person-months)	675.0
ii. National consultants (28 person-months)	140.0
b. International and local travel	50.0
c. Reports and communications	5.0
d. Translation services	10.0
2. IT equipment (computer, printer, camera etc.)	5.0
3. Training, workshops and conferences	
a. Workshops	10.0
b. Technical training programs and courses	5.0
4. Surveys <sup>b</sup>	50.0
5. Miscellaneous administration and support costs	5.0
5. Contingencies	45.0
<b>Total</b>	<b>1,000.0</b>

<sup>a</sup> Financed by the Asian Development Bank's Technical Assistance Special Fund (TASF-V).

<sup>b</sup> Surveys cover traffic, engineering, social, environmental, and other field surveys, as necessary.

Source: Asian Development Bank estimates.

## D. Consulting Services

4. For the PPTA, an international consulting firm will be recruited using quality- and cost-based selection with simplified technical proposal to select the consulting firm. The services will be implemented over about 8 calendar months and will require 30 international person-months and 28 national person-months. ADB will select and engage the consulting firm in accordance with ADB's *Guidelines on the Use of Consultants* (2013, as amended from time to time). Output-based (lump sum) contract will be considered for consulting services. Table A3.3 shows the summary of consulting services requirements. The person-months listed in the table are indicative only and are included for proposal preparation purposes only. The team leader will be required to work full-time on the project during TA implementation.

**Table A3.3: Summary of Indicative Consulting Services Requirement**

Positions	Indicative Person-Months Required
<b>International</b>	
Team Leader / Highway Engineer	8
Structural Engineer	3
Geotechnical Engineer	2
Road Safety Specialist	4
Environment Specialist	2
Transport Economist	2
Procurement Specialist	3
Road Asset Management Specialist	3
Financial Specialist	1
Resettlement Specialist	2
<b>National</b>	
Deputy Team Leader	8
Hydrology specialist	2
Structural Engineer	3
Resettlement Specialist	3
Social/Gender Specialist	2
Environment Specialist	2
CAD specialist	3
Materials Engineer	2
Procurement Specialist	3

Source: Asian Development Bank estimates.

5. The following reports, in the English, will be submitted by the consultant to the government (2 copies) and ADB (2 copies). The final report will also be submitted on CD-ROM. All communications with MOT need to be in English and Russian.

- (i) **Inception Report.** Within 6 weeks of the commencement of consulting services, the inception report will be submitted, highlighting the progress made, initial findings, and any recommendations and proposed changes to the work program for the TA component.
- (ii) **Interim Report.** Within 3 months of commencement, the first interim report will be submitted, including preliminary study results for the project roads. Necessary inputs and assistance will be provided for assisting the ADB loan processing fact-finding mission.
- (iii) **Draft Final Report.** Within 7 months of commencement, the draft final report will

be submitted, including final study results for the project road including reports on safeguard issues to be used for subsequent project preparation and updated design and bid documents for the roads to be funded under the ensuing loan and/or grant.

- (iv) **Final Report.** The final report will be prepared after due consideration of comments made by the government and ADB, presenting the final design of the project road. The report will be presented within 2 weeks of receipt of comments on the draft final report.
- (v) **Progress Reports.** At the end of each month, a brief progress report will be provided to ADB, in English and Russian, by e-mail, summarizing achievements, issues, and proposed measures to address.

## E. Implementation Arrangements

6. The Ministry of Transport will be the executing agency (EA) and has implemented 7 ADB-financed roads projects since 1998. The MOT's project implementation unit staff have the necessary skills and experience and will be assisted by technical departments within the ministry during project implementation. The MOT will provide the consultant with access to data, records, and other information required to perform the assigned tasks; and counterpart staff and engineers to coordinate with the Consultant's team. All equipment procured under the project will be handed over to the EA upon completion.

7. TA funds will be disbursed in accordance with ADB's *Technical Assistance Disbursement Handbook* (2010, as amended from time to time). The proposed PPTA processing and implementation schedule is listed in Table A3.4.

**Table A3.4: Technical Assistance Processing and Implementation Schedule**

<b>Milestones</b>	<b>Expected Completion Date</b>
Approval of concept paper	August 2015
Consultant selection	October 2015
Mobilization of consultant	November 2015
TA inception review	December 2015
TA final review cum loan fact-finding	May 2016
TA financial closure	October 2016

Source: Staff estimates.