

# **Recruitment of Consultants**

## **Feasibility Study of National Highways – Package 1C**

**Country/Borrower:** Government of the Democratic Socialist Republic of Sri Lanka

**Title of Project: TA Loan 2080–SRI (SF):** Road Project Preparatory Facility - Feasibility Study of 600 Km National Highways.

### **Expression of Interest**

The Government of the Democratic Socialist Republic of Sri Lanka (GOSL) has received a Loan from the Asian Development Bank (ADB) and intends to apply part of the Loan towards the cost of engagement of consultants for the Feasibility Study of National Highways under the Road Project Preparatory Facility (RPPF). A part of the proceeds of this loan will be utilized under eligible payments for the procurement of Consultancy Services for the Implementation of the project, from internationally reputed Consultancy Firm(s) in association with Domestic Consultancy Firm(s).

The EOI, along with relevant supporting documents, must be delivered to the address below under sealed covers, in duplicate on or before 14.00 hrs on 06 October 2008.

The Chairman  
Ministerial Procurement Committee  
Ministry of Highways and Road Development  
9<sup>th</sup> Floor Sethsiripaya  
Battaramulla  
SRI Lanka

### **Objective and Scope**

The objective of obtaining the Consultancy Services is to carry out the Feasibility Study of 600 km National Highways,( Tentative Road List is attached in Annex 1) which involves;

- i. Engineering Study;
- ii. Economic Analysis;
- iii. Social Assessment;
- iv. Resettlement Planning;
- v. Environmental Assessment

### **Consulting Services for the Feasibility Study of National Highways – Package 1C**

The engagement of consultants is scheduled for a period of nine (9) months commencing in March 2009. It is intended to engage a suitable International Consulting firm from member countries of the ADB for Feasibility Study of National Highways.

The Consultancy Services require 29.5 person–months of international experts comprising a team of: (i) Team Leader/Transport Economist, (ii) Highway Engineer, (iii) Pavement Engineer, (iv) Environmental Specialist, and (v) Social Development Specialist; and 61.5 person-months of national experts comprising (i) Transport Economist, (ii) Highway Engineer, (iii) Bridge/Structural Engineer, (iv) Hydrologist, (v) Pavement Engineer, (vi) Environmental Specialist, (vii) Social Development Specialist/Resettlement Specialist, and (viii) Quantity Surveyor.

A domestic firm shall not associate with more than 2 international firms. Interested consultants must submit a Letter of Submission (Annex 2) and provide information (brochures, description of similar assignments, experience in similar conditions, availability of appropriate skills among staff,

etc.), indicating that they are qualified to perform the services in accordance with the requirements outlined in Annex 3.

Consultants will be selected in accordance with the procedures set out in the [Guidelines on the Use of Consultants by Asian Development Bank and its Borrowers](#) using the Quality Based Selection (QBS) method. Read the Terms of Reference (TOR) of the consulting service in Annex 4.

The Ministerial Procurement Committee of Ministry of Highways and Road Development, now invites eligible Consultancy Firms to indicate their interest in providing the services.

Based on the EOIs received, a 'Short list of Consultants' will be prepared according to short-listing criteria acceptable to ADB. Request for Proposals (RFP) for submitting proposals will be issued to short-listed firms.

Interested Consultancy Firms may obtain further information on a working day at the address below from 0900 to 1500 hrs. local time from 06 September 2008 to 06 October 2008

Project Director,  
756 B/1, Parliament Road  
Pelawatta, Battaramulla,  
Sri Lanka  
Telephone: +94 – 11 - 2787915  
Fax: +94 – 11 - 2787913  
E-Mail : rppf@sltnet.lk

## Tentative Road List

Route No	Road Name	Section				Length (km)	Province
		From	km'age	To	km'age		
A022	Passara - Moneragala	Passara	0.00	27th km post	27.00	27.00	Uva
A033	JaEla - Ekala - Gampaha	Ekala	3.19	Gampaha	13.52	10.33	Western
AB004	Kaduwela - Biyagama	Kaduwela	0.00	Bandarawatta Junction	0.81	0.81	Western
B214	Kelaniya - Mudungoda	Bandarawatta Junction	12.33	Mudungoda	28.58	16.25	Western
AB029	Pasyala - Giriulla	Mirigama	10.06	Giriulla	19.95	9.89	Western
B247	Kurunegala - Narammala - Madampe	Narammala	18.64	Kadahapola	22.26	3.62	NWP
B166	Kadahapola - Rambawewa	Kadahapola	0.00	Rambewewa	18.71	18.71	NWP
B057	Bibile - Uraniya - Mahiyangana	Bibile	0.00	Mahiyangana	39.62	39.62	Uva
AB044	Mahiyangana - Dimbulagala - Dalukkane	Mahiyangana	0.00	Dalukkane	72.57	72.57	Uva / Est / NCP
B577	Belaganwewa - Wilgamuwa	Belaganwewa	0.00	Wilgamuwa	12.25	12.25	Uva / Central
B484	Handungamuw - Hettipola - Hasalaka	Wilgamuwa	25.20	Hettipola	28.07	2.87	Central
B312	Naula - Elaheera - Laggala - Pallegama	Naula	0.00	Hettipola	63.56	63.56	Central
B047	Batramulla - Pannipitiya	Thalawathugoda	3.67	Pannipitiya	6.99	3.32	Western
B123	Galagedera - Horana	Galagedera	0.00	Horana	18.63	18.63	Western
B240	Kotte - Bope	Godagama	16.74	Bope	28.04	11.30	Western
B128	Galle - Baddegama	Galle	0.00	China Bridge Junction	18.55	18.55	Southern
B167	Kadawalagedera - Witikuliya	Kadawalagedera	0.00	Witikuliya	13.84	13.84	NWP
B195	Kandy - Kirimetiya	Dalada Maligawa Junction	0.00	Kirimetiya	12.00	12.00	Central
B239	Kottawa - Thalagala	Kottawa	0.00	Kottawa Pinhena Junction	1.00	1.00	Western
B243	Kuliyapitiya - Hettipola	Kuliyapitiya	0.00	Hettipola	15.69	15.69	NWP
B356	Pannala - Kuliyapitiya	Pannala	0.00	Kuliyapitiya	16.28	16.28	NWP
B267	Mampe - Kottawa	Miriswatta Junction	0.00	Kottawa Pinhena Junction	6.20	6.20	Western
B285	Meepe - Ingiriya	Meepe	0.00	Ingiriya	18.12	18.12	Western
B295	Moratuwa - Piliyandala	Kospelena Junction	2.62	Piliyandala	5.11	2.49	Western
B413	Tennekumbura - Rikillagaskada - Ragala	Tennekumbura	0.00	Ragala	72.43	72.43	Central / Uva
B363	Pelawatta - Kankotowawatta - Thiniyawala - Morawaka	Pelawatta	0.00	36th km Post	36.00	36.00	Western / Southern
B389	Rathmalana - Mirihana	Bailey Bridge	5.70	Mirihana	7.84	2.14	Western
B427	Udawalawe - Bodagama	Udawalawe Junction	0.00	Baodagama	35.48	35.48	Sabaragamuwa / Uva
B496	Bodagama - Thanamalwila	Bodagama	0.00	Thanamalwila	5.02	5.02	Uva
B157	Horana - Anguruwatota - Aluthgama	Horana	0.00	Matugama	31.83	31.83	Western
<b>Total</b>						<b>597.80</b>	

**Letter of Application**

*(To be submitted in Letter head of the Applicant)*

*Date*

The Chairman  
Ministerial Procurement Committee  
Ministry of Highways and Road Development  
9<sup>th</sup> Floor Sethsiripaya  
Battaramulla  
SRI Lanka

Sir,

Being duly authorized to represent and act on behalf of .....  
..... hereinafter referred as the Applicant, and having reviewed and fully understood all the information provided, the undersigned hereby applies to be considered by yourselves as a bidder for the Consultancy Services contract for the Feasibility Study of 600 Km National Highways .

Your agency and its authorized representatives are hereby authorized to conduct any inquiries or investigations to verify the statements, documents, and information submitted in connection with this application, and to seek clarifications from our bankers and clients regarding any financial and technical aspects. The Letter of Application will also serve as authorization to any individual or authorized representative of any institution referred to in the supportive information, to provide such information deemed necessary and requested by you to verify statements and information provided in this application, or with regard to the resources, experience and competence of the applicant.

This application is made in the full understanding that:

Your Agency reserves to reject or accept any application, cancel the short listing process, and reject all applications, and will not be liable for any such action and will be under no obligation to inform the applicant of the grounds for such action.

The undersigned declare/s that the statements made and the information provided in the duly completed application are complete, true and correct in every detail.

Signature:.....

Name:.....

Seal :

**General Information**

**A. Lead Consultancy Firm**

1.	Name of the Lead Consultancy Firm	
2.	Year established	
3.	Type of Organization (Corporation/Sole proprietorship/ Partnership/Other).	
4.	Address:  Fax Number:  Telephone Number:  E-mail address:	
5.	Head office and regional office addresses ( <i>Indicate operating Office</i> )	
6.	Type of consultancy service offered in relation to road construction	
7.	Contact Person: Name:  Designation:  Telephone:  Fax number:  E-mail address:	

**B. Domestic Firm:**

1.	Name of the Domestic Consultancy Firm.	
2.	Year established.	
3.	Type of Organization (Corporation/Sole proprietorship / Partnership/Other).	
4.	Address:  Fax Number:  Telephone Number:  E-mail address:	
5.	Head office and regional office addresses.	
6.	Type of consultancy service offered.	
7.	Contact Person:  Name:  Designation:  Telephone:  Fax number:  E-mail address:	

**C. General Work Experience:**  
(To be filled in by Lead Firm only)

Include Consultant's Work experience for the last 10 years. List at least 10 completed consultancy services contracts in the road sector.

No	Name of Client	Location	Contract Start Date	Contract Completion Date	Cost of Consultancy Contract (in US\$)	Participation %	Lead or Associate Firm	Category of service rendered *
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								

\*State Category of service: A - Feasibility Study in Road sector; B - Feasibility Study in other sector; C - Others.

**D. Work experience of similar nature:**  
(To be filled in by Lead Firm only)

Include Consultant's Work Experience of similar nature for the last 10 years. List at least 10 completed consultancy services contracts for the Project under consideration.

No	Name of Client	Location	Contract Start Date	Contract Completion Date	Cost of Consultancy Contract (in US\$)	Participation %	Lead or Associate Firm	Category of service rendered
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								

**E. Project Profile:**

*(To be completed by the Lead Firm for all Projects listed in C & D)*

Consultant' Name :	Country :
Project Location within Country :	Professional Staff Provided :
Client Information: Name :  Address :  Telephone No :  Fax No :  E- Mail Address :	
1: Started Date: <span style="float: right;">Month /Year</span>  2: Completed Date :	Project Cost in US\$ Value of Consultancy Service in US\$:  Initial Contract Value:  Value on completion :
Name of associated Firms, if any :	Professional Staff Provided by Associated Firm:
Senior Staff involvement and functions performed :	
Description of Project :	
Service Provided by Lead Firm and Associated Firms :	

**F. Other information that may support the Expression of Interest.**

**G. Declaration (*shall be completed by the Lead Firm only*)**

I hereby certify that all information provided herein, including the annexes and enclosures thereto, are true and correct, and I hold myself liable criminally or civilly, for any misrepresentation or false statement made herein.

I understand that any information found to be false or misrepresentative of my firm would be grounds for disqualification.

\_\_\_\_\_  
Signature of the Authorized Company Representative.

\_\_\_\_\_  
Date.

*Company Seal:*

## Terms of Reference

### **I. Introduction**

1. The consultant will be engaged for conducting feasibility study for roads listed by the Government. For this proposed contract, the roads to be studied include 600 Km of National Highways.
2. In accordance with the National Road Master Plan (NRMP), the consultant will initially divide the whole sections of study roads into appropriate subgroups of roads, considering geographical distribution, natural and socio-economic conditions, and maintainability using internationally recognized categorization. The consultant will conduct feasibility studies for each subgroup of roads efficiently and effectively in a continuous manner
3. The Steering Committee will assess of the consultant's performance from time to time. When the Steering Committee evaluates the consultant's performance as unsatisfactory, the Executive Agency reserves the right to terminate the consultant's contract and recruit new consultants for the services cycle of work. Alternatively, the Executing Agency may request replacement of particular experts whose performance is found to be unsatisfactory.

### **II. Feasibility Study**

4. The 600 km of roads of National Highways identified for feasibility study represents road sections of different lengths in different geographical locations of the country.
5. The terms of reference for the consultants for feasibility study include, but are not limited to, the following:

#### **A. Engineering Study**

- (i) Survey conditions of candidate roads, including geometric features, type, condition and functionality of existing drainage structures, existing pavement strength, utilities and other major features, determine residual life and maintainability of the roads using internationally recognized categorization, and categorize the roads into homogeneous sections.
- (ii) Investigate the suitability of local construction materials, and where necessary, locate new quarries and borrow pits, and assess the quality and quantity of materials and their hauling distances.
- (iii) Study and propose technical options for improving sections on candidate roads, including consideration of geometric alignment, pavement strengthening, and rehabilitation and/or widening of bridges, taking into account traffic forecasts and, wherever possible, seeking to avoid land acquisition and involuntary resettlement, and incorporating coastal considerations for coastal roads, if any.
- (iv) Prepare cost estimates for proposed improvements for each candidate road, separating foreign exchange, local currency, and tax and duty elements.
- (v) Propose an approach to contract packaging, taking into account (a) the location of the project roads, size of contracts, available contractor capacity and other project-specific factors; (b) ADB's *Procurement Guidelines* (2006, as amended from time to

time); and (c) the aim of supporting development of strong, competitive domestic private sector capacity in road construction and engineering services.

- (vi) Define the scope and cost of detailed engineering design.
- (vii) Prepare a report summarizing the findings and recommendations, and presenting the supporting data and analysis, for review by the Government and ADB.
- (viii) Conduct initial road safety audits with use of ADB's Road Safety Audit for Road Projects; An Operational Tool Kit or similar procedure acceptable to ADB.

**B. Economic Analysis**

- (i) Review existing traffic data, conduct traffic counts and origin-destination and axle-load surveys, and forecast traffic for each candidate road.
- (ii) Prepare an economic analysis of the proposed road improvements and evaluate alternative improvement options using the Highway Development and Management model (version 4) individually and in combination; distribution analysis; and estimation of the poverty impact ratio following ADB's Guidelines for the Economic Analysis of Projects.
- (iii) Prepare sensitivity and risk analysis in relation to changes in key parameters, and calculate switching values.
- (iv) Prepare project performance indicators and set performance targets by conducting a baseline survey.

**C. Social Assessment**

- (i) Conduct 20% poverty & social assessment taking into account socioeconomic and poverty status of the project area of influence, including the nature, extent and determinants of poverty in the project area. Identify and estimate the likely socioeconomic and poverty reduction impacts of the project. This will be in accordance with ADB's RDA's Guidelines on Social Safeguards Manual by taking into consideration ADB's and other donor's guidelines for the Incorporation of Social Dimensions and Poverty and Social Analysis.
- (ii) Identify project-related interests of key stakeholders, likely barriers to their participation in and benefiting from the project resources, and suggest possible strategies for addressing their concerns.
- (iii) Conduct studies by using participatory approaches. With the participation of stakeholders, identify and analyze the reasons behind the vulnerability of at risk groups, including their exposure to risks. Suggest participatory development strategies for key stakeholders to apply when designing and implementing the project.
- (iv) Prepare a gender analysis. Identify project design elements (policy, investment, or implementation) in which women can participate in and thus benefit from the project.
- (v) Conduct assessment of risks of human trafficking, HIV/AIDS and labor including child labor due to the project. Provide suggestions for measures to be incorporated

in the project to mitigate possible adverse impacts through human trafficking, HIV/AIDS and child labor, and identify existing programs or possible partners for assisting in implementing such measures.

- (vi) Assess Sri Lanka legislation whether it is in compliance with FIDIC provisions on (a) mitigation of social/health risks associated with road construction, with emphasis on STI and HIV/AIDS; and (b) equal pay for work of equal value.
- (vii) Identify any necessary mitigation measures and a strategy for implementing them. Identify potential proactive measures, in terms of additional components and design options, which will make it easy for the poor and vulnerable to benefit from the project.
- (viii) In coordination with the economic analysis, design a time-bound benefit monitoring and evaluation program, including monitoring indicators and baseline data, to assess the project benefits to local communities before and after the construction of project. The program should address not only the economic benefits but also poverty reduction impacts and other social benefits such as stability of the region and integration with other parts of the country.

#### **D. Environmental Assessment**

- (i) The consultants will carry out an environmental assessment of the identified project roads in accordance with the RDA's Guidelines on Environmental Safeguard Manual by taking into consideration ADB' and other donor's EIA guidelines. Major tasks include, but are not limited to, the following:
- (ii) Prepare the CEA's BIQ to classify the road in accordance with the Government's Environmental Impact Assessment (EIA) requirements;
- (iii) Prepare an environmental assessment based on the CEA decision by following the RDA Guidelines and taking into account the Government's guidelines and ADB's Environmental Assessment Guideline, 2003.
- (iv) If the IEE recommends undertaking a full EIA, prepare TOR acceptable to the Government. Conduct the EIA and prepare the report and its summary, including an environmental management plan to implement mitigation measures for each road section.
- (v) If only an IEE is required, the IEE report should include an environmental management plan.

#### **E. Resettlement Planning**

- (i) Conduct a preliminary social impact assessment for the project including assessment of possible land acquisition/resettlement impacts for the candidate road alignments in accordance with ADB's Involuntary Resettlement Policy (1995) and Operations Manual (OM)/F2 on Involuntary Resettlement (2003). Prepare and complete screening and impact categorization form for involuntary resettlement for the candidate road alignments.

- (ii) Identify whether the project will be located in, or pass through, areas of significant indigenous people's settlements, and if this is the case propose how to specifically include indigenous peoples in project planning and implementation in accordance with ADB's Indigenous Peoples Policy (1998). If relevant, make an overview of population characteristics in the project area and anticipate project impacts. Prepare and complete checklist for indigenous people screening and impact categorization for the candidate road alignments.
  
- (iii) For the whole program, review existing resettlement frameworks (RF) and adjust them to the project roads as necessary acceptable to the Government and ADB in compliance with the Government's National Involuntary Resettlement Policy and ADB's Policy on Involuntary Resettlement and Handbook on Resettlement.