

REQUEST FOR EXPRESSIONS OF INTEREST
Republic of Poland
„Second Project for Roads Maintenance and Rehabilitation”
Loan N° 7282- POL

CONSULTANT SERVICES:
HDM-4 system development in scope of State Roads Maintenance Network Planning

The Republic of Poland has obtained the loan N° 7282 – POL from International Bank for Reconstruction and Development and intends to use part of it for financing Consultant Services contract: „*Development of HDM-4 system applications in scope of State Roads Network Maintenance Planning*”, to behalf of the General Directorate for National Roads and Motorways (GDDKiA).

General objective of the Project is achieving a transparent, effective and economically optimised system of planning of maintenance and rehabilitation of national roads pavements in both: GDDKiA Headquarters and in its Regional Divisions with utilisation and assistance from HDM-4 system, supported by internal pavement management supporting systems run by GDDKiA.

The Consultant activity should be based on results of works undertaken in this area for GDDKiA in 2004, as well as GDDKiA further experience acquired in computer-aided planning and software development during its operation since that time.

Main tasks to be undertaken by the Consultant shall be as follows:

I. REMOVING ERRORS IN EXISTING SOFTWARE AND ITS OVERALL IMPROVEMENT

- Removing errors in software applications assuring transmission of data between HDM-4 system and data bases operated by GDDKiA
- Update of software applications due to expanded scope of data in Road Data Bank and Pavement Management System
- Update of applications due to introduction of new Shoulders and Drainage Management Systems
- Improvement of communication between HDM-4 and EMME 2 Traffic Planning System

II. PROFESSIONAL TRAINING AND SUPERVISION OVER GDDKIA STAFF AND EXTERNAL SPECIALISTS IN HDM-4 USE

- Professional training of GDDKiA staff and external specialists indicated by GDDKiA in HDM-4 use
- Drawing up and implementation of proper cooperation rules and mechanisms in GDDKiA structures aimed at efficient and effective HDM-4 application in technical and financial planning of road network maintenance and rehabilitation programmes
- Assistance in supervision of day-to-day use of the system by GDDKiA

III. RUNNING HDM-4 SYSTEM ON NETWORK ANALYSES LEVEL FOR NATIONAL ROADS

- Running the system on the level of National Roads Network using modified applications, HDM-4 system and road data bases owned by GDDKiA
- Running the system on the level of National Roads Network using modified applications, HDM-4 system and EMME-2 system after obtaining results of General Traffic Census (GTC) 2005

IV. ADJUSTMENT OF HDM-4 MODELS OF ROAD TREATMENTS AND MAINTENANCE TECHNOLOGIES TO THOSE ALREADY IMPLEMENTED IN POLAND

- Extension and calibration of technologies not included in recent HDM-4 system version
- Extension of Road Test Sections (DOT) data base with recent sections where new technologies have been tried

Suggested duration of the service is approximately 22-23 months. Commencement of the services is planned for February or March 2006 with completion in December 2007.

GDDKiA invites hereby eligible Consultants to submit **Expressions of Interests** for realisation of the above mentioned services. Consultants who are interested are requested to provide GDDKiA with confirmation of their qualifications, experience and abilities adequate to the scope of works required above:

- Experience in realisation of similar projects during 2000 – 2005
- Publications issued by Consultant on management supporting systems
- Qualifications of members of the Project Team
- Experience in professional training for Road Administration personnel
- Experience in use of HDM-4 on project and road network level
- Knowledge of supporting systems (road data base, PMS-SOSN, Visual Pavement Evaluation System-SOWA, EMME-2, etc.)
- References obtained for 2000 – 2005, indicating that works commissioned by respective clients were completed by Consultant in reliable way and the scope of works was similar to this project
- Other documents confirming qualifications and Consultant's abilities for proper realisation of this project

Consultants are permitted to associate in order to upgrade their abilities.

The Project Consultant will be selected according to the „*Selection Based on the Consultants' Qualifications (CQS)*” procedures described in the World Bank Guidelines „*Selection and Employment of Consultants by World Bank Borrowers*”, May 2004.

Consultants interested in obtaining more information should contact the address indicated below, between 8.00 and 13.00 CET.

GDDKiA Biuro Studiów (Strategy and Study Section in the city of Cracow)
30-138 Kraków, ul. Włociańska 4
Poland

Contact person:

Mr. Grzegorz Obara – Head of Strategy and Study Section (RNSD Branch in Kraków)

Tel./fax. 0048-12-636-92-49

e-mail: gobara@krakow.gddkia.gov.pl

Letters of Consultants' Application (**Expressions of Interest**) should not be longer than 30 pages and be delivered in 1 original and 2 copies in Polish or English to the address given below until 7 February 2006, 15:00 CET.

GDDKiA Biuro Studiów (Road Network & Studies Department)
Managing Director of S.O., Mr. Marek Rolla
00-848 Warszawa, Żelazna 59 St. (secretariat of RNSD, 4-th floor)
Poland
Tel. 0048-22-375-87-37
Fax. 0048-22-375-86-10
Web site: <http://www.gddkia.gov.pl>