



11030
OFFICE OF THE
PROJECT DIRECTOR
PROJECT MANAGEMENT UNIT
SINDH PROVINCIAL ROAD IMPROVEMENT PROJECT
WORKS & SERVICES DEPARTMENT
GOVERNMENT OF SINDH
53/8 CIVIL LINES, HYDERABAD, PAKISTAN
PHONE 0092 22 9201230

INVITATION FOR SUBMISSION OF EXPRESSION OF INTEREST

Consultancy Services for the Preparation of Sindh Road Network Master Plan including Institutional Strengthening Trainings, Sindh Pakistan Loan 3305-PAK: Sindh Provincial Road Improvement Project

Implementing Agency: Works and Services Department, Government of Sindh
Islamic Republic of Pakistan

Objective and Scope:

The Government of Sindh has received a loan from the Asian Development Bank (ADB) toward the cost of Sindh Provincial Road Improvement Project. Part of the loan will be used for the preparation of the Sindh Road Network Master Plan (2017-2036) ("the Plan") and Institutional Strengthening of Works and Services Department. The Works and Services Department (WSD) of Sindh will be implementing agency for the Project, and a Project Management Unit (PMU) has been established headed by a Project Director (Client's representative). Total road network under Works and Services department is around 53,000 Kilo Meter (Km), which needs to be covered in Road Master Plan.

A consulting firm consisting of international and national experts will be recruited on Quality and Cost Based selection Method with Full Technical Proposal in accordance with Asian Development Bank's Guidelines to help the government to prepare Sindh Road Network Master Plan and Institutional strengthening of Works and Services Department for the period of Twenty Four (24) months.

Consultancy Services:

The consultant teams will be headed by a Chief Resident Engineer/Team Leader/The Engineer and comprised of international and national experts. The person-months of International and National Experts input are tentatively mentioned in the following table.

Consultancy Services:

The consultant teams will be headed by a Team Leader and comprised of national experts. The person-months of and National Experts input are tentatively mentioned in the following table.

Expert Input / Person-months for key staff			Expected date of Commencement	Duration of assignment	Method of Procurement	Type of Consultancy
International	National	Total				
60	257	317	January 2018 (tentative)	24 Months	Quality and Cost-Based Selection (QCBS) (90:10)	Consultancy firm (International)

The Terms of Reference (TOR) can be downloaded from SPRIP and ADB websites (www.spripwsd.gos.pk) and (<http://cms.adb.org>).

PMU, SPRIP WSD hereby invites EOI from reputed consulting firms. Consultants may associate with each other in the form of a joint venture or of a sub-consultancy agreement. National firms possessing the appropriate international experience should clearly define and describe the international experience required for the assignment in the EOI. The consultants will be recruited using the Full Technical Proposal procedure based on the Quality and Cost-Based Selection (QCBS) method and in accordance with "ADB's Guidelines on the Use of Consultants by ADB and its Borrowers" (March 2013).

The firms should have demonstrated experience in relevant sectors and scope of work involved. The firm(s) should include following information and documents indicated in ADB's standard expression of interest (EOI) template in ADB (CMS).

SPRIP INWARD COPY

NO: 1160

DATED: 12-09-2017

The EOI must be submitted online via the ADB's Consultant Management System (CMS). The EOI must be submitted using the online template in CMS not later than **15 October 2017**. Access to the online Request for Expression of Interest may be reached through the link to Consultant Services Recruitment Notices (CSRN) available at www.adb.org/site/business-opportunities/operational-procurement/consulting. A firm wishing to submit an EOI must be registered with the CMS, which is accessible at <http://cms.adb.org>. Any proposed associate firms, sub consultants, or joint venture partners must also be registered with CMS. Any firm facing any technical problems in accessing CMS may request assistance by email to cmshelp@adb.org. Firms are recommended to update their CMS registration before uploading or sending their EOI.


Project Director,
Project Management Unit
Sindh Provincial Road Improvement Project
Works and Services Department Sindh
Address: Bungalow No. 53 / 8A, Civil Lines Hyderabad
Sindh Pakistan
Telephone: +92 229201230
Electronic mail address: pd@spripwsd.gos.pk

No.PD/SPRIP/DD(P&C)/1030, Dated September 11, 2017

Copy forwarded with compliments to:-

1. The Secretary to Government of Sindh, Works and Services Department, Karachi, for information.
2. The P.S. to Minister, Works and Services Department, Karachi, for information.
3. The Country Director, ADB Pakistan Resident Mission, Islamabad, for information.
4. The Director Information (Advertisement), Public Relation Department, Government of Sindh, Block 96, Karachi (along with eight copies) for information and publication in the leading news papers English, Urdu and Sindhi (one of each) for wide publicity.
5. ✓ The Director (A&F), Sindh Procurement Regulatory Authority, Karachi for placement on website.


Project Director,
~~Project Management Unit~~
Sindh Provincial Road Improvement Project
Works and Services Department Sindh
Address: Bungalow No. 53 / 8A, Civil Lines Hyderabad
Sindh Pakistan
Telephone: +92 229201230
Electronic mail address: pd@spripwsd.gos.pk



GOVERNMENT OF SINDH
SERVICES, GENERAL ADMINISTRATION &
COORDINATION DEPARTMENT

NOTIFICATION

NO.SO(C-IV)SGA&CD/4-36/15:

The Government of Sindh has been pleased to constitute a Project Management Consultants Selection Committee (PMSCS) for selection of, Project Management Consulting Firms under SPPRA-2010 for the purpose of providing consultancy assistance and detailed supervision of works etc. for "Sindh Provincial Roads Improvement Project (SPRIP)" Loan No.3305-PAK, with the following composition & TORs:-

1.	Project Director, Sindh Provincial Road Improvement Project (SPRIP), Works & Services Department, Government of Sindh, Hyderabad.	Chairman
2.	Nominee of Finance Department, Government of Sindh, Karachi. (Not below the rank of BS-18)	Member
3.	Nominee of (T&C), Planning & Development Department, Government of Sindh, Karachi. (Not below the rank of BS-18).	Member
4.	One Co-opted Member, with the approval of Chairman.	Member
5.	Deputy Director, Procurement & Contracts, PMU, SPRIP, Works & Services Department, Hyderabad.	Member/Secretary

Terms of Reference:

- The functions and responsibility of CSC will be as per Rule-71 of SPPRA-2010.
- The mandate of the Committee will be to evaluate and recommended the Consultant(s) for the approval by the ADB (Donor Agency).

NO:SO(C-IV)SGA&CD/4-36/15

CHIEF SECRETARY SINDH

Karachi, dated the 30th November, 2015.

Copy is forwarded for information & necessary action to:-

- Additional Chief Secretary (All), Government of Sindh, Karachi.
- Secretary to Governor Sindh.
- Secretary to Chief Minister Sindh.
- Administrative Secretaries (all), Government of Sindh.
- Chairman / Members (all) of the Committee
- Deputy Secretary (Staff) to Chief Secretary Sindh.
- P.S. to Chief Secretary Sindh.
- P.S. to Secretary (I&C), SGA&CD.
- Master file.


30/11/2015
(SYED SAADAT ALI)
SECTION OFFICER (C-IV)

1029
30
335
11/9/17

GOVERNMENT OF SINDH
WORKS & SERVICES
DEPARTMENT

Karachi, dated: December, 2015.

NOTIFICATION

No.E&A(W&S)3-9/91-2015:

With the approval of Competent Authority, a Complaint Redressal Committee with the following composition, in terms of Rule-31 of Sindh Public Procurement Rules-2010 (Amended 2013), is hereby constituted for Sindh Provincial Roads Improvement Project, Works & Services Department, Hyderabad for the purpose of redressal of grievances and settlement of disputes, if any, arises between procuring agency and bidders.

- | | |
|----------------------------------------------------------------------|----------|
| 1. Additional Secretary,
Works & Services Department,
Karachi. | Chairman |
| 2. Director (Monitoring),
Hyderabad. | Member |
| 3. District Account Officer,
Hyderabad. | Member |

2. The Functions & Responsibilities of the Committee will be same as specified in Rules-31 (4) and (5) of Sindh Public Procurement Rules-2010.

SECRETARY TO GOVERNMENT OF SINDH

No.E&A(W&S)3-9/91-2015:

Karachi, dated the 30th December, 2015.

A copy is forwarded for information to:-


1. The Accountant General, Sindh, Karachi.
2. The Managing Director, SPPRA, Karachi.
3. The Chief Engineer (Buildings), Hyderabad.
4. The Chairman / Members of the Committee.
5. The Deputy Director (Monitoring), PM&E Cell, W&SD, Karachi.
6. P.S to Minister, Works & Services Sindh, Karachi.
7. P.S to Secretary, Works & Services Department, Karachi.
8. Notification file.


SECTION OFFICER (GENERAL)
FOR SECRETARY TO GOVT. OF SINDH

30/12/15

ANNEXURE A-1
PROCUREMENT PLAN (DEVELOPMENT / CAPITAL)

Sr. No. / ADP No.	Name of Scheme & Estimated Cost	Allocation Funds 2017-18	Cost of ongoing works (Expenditure already incurred)	Funds earmarked for ongoing works	Cost of new work (Component)	Funds for New works (c - e)	Nature of Procurement	Method of Procurement	Anticipated / Actual Date of Advertisement	Anticipated / Actual Date of Start	Anticipated / Actual Date of Completion
a	b	c	d	e	f	g	h	i	j	k	l
	Sindh Provincial Improvement Project	GOS= 400.000 ADB= 9,215.000 Total=9,615.000	GOS= 245.000 ADB= 2,729.273 Total=2,974.273	Nil	GOS= Nil ADB= 850.000 Total=850.000	GOS= Nil ADB= 300.000 Total=300.000	Consultancy Services for Preparation of Sindh Road Network Master Plan including Institutional Strengthening Trainings, Sindh Pakistan.	QCBS	12-Sep-17	1-May-18	30-Apr-20
1/2966 2017-18	GOS= 2,079.900 ADB= 20,670.100 Total=22,750.000 Million						Consultancy Services for Feasibility Study & Detailed Design of Construction of Hyderabad Southern Bypass Road Project Hyderabad, Sindh Pakistan	QCBS	12-Sep-17	1-May-18	31-Jan-19


 PROJECT DIRECTOR
 PROJECT MANAGEMENT UNIT
 SINDH PROVINCIAL ROAD IMPROVEMENT PROJECT
 WORKS & SERVICES DEPARTMENT, HYDERABAD

Terms of Reference

Consultancy Services

For

Consulting Services for Preparation of Sindh Road Network Master Plan including Institutional Strengthening Trainings under Sindh Provincial Road Improvement Project (SPRIP), Work and Services Department Sindh Hyderabad

Introduction:

The Government of Sindh has received a loan from the Asian Development Bank (ADB) toward the cost of Sindh Provincial Road Improvement Project. Part of the loan will be used for the preparation of the Sindh Road Network Master Plan (2017-2036) ("the Plan") and Institutional Strengthening of Works and Services Department. The Works and Services Department (WSD) of Sindh will be implementing agency for the Project, and a Project Management Unit (PMU) has been established headed by a Project Director (Client's representative). The Total road network of under Works and Services department is around 53000 km, which needs to be covered in Road Master Plan.

Objective of the Assignment

A consulting firm consisting of international and national specialists will be recruited on Quality and Cost Based selection Method with Full Technical Proposal in accordance with Asian Development Bank's Guidelines to help the government to prepare Sindh Road Network Master Plan and Institutional strengthening of Works and Services Department for the period of Twenty Four (24) months.

The Scope of Work under the Consultancy Services will comprise of the following:

1) Provincial Highways Network Master Plan (2020-40)

- (a) Under this Component detailed feasibility studies will be carried-out for existing status of the Sindh Roads of around 53000 km and transport sector and identifying high priority roads. The assessments will identify the main road systems required to link the markets, main production centers, industries and development opportunities in the province. The studies will include, but not limited to, the following:
 - (i) To review and assess the existing road network plan in Sindh, and identify key issues and transport trend in terms of economy development in Sindh.
 - (ii) To envisage the future requirement of road network keeping in view the traffic trends and emerging markets, development after introduction of CPEC Special

Economic Zones (SEZ) in Sindh Province. Its impact on transport movement and provide connectivity to link roads network to provide efficient system of transportation of products to and from other part of country in order to get maximum benefit to Sindh. A comprehensive route plan would be prepared to maximize the socio economic benefits to population with minimum adverse impact on cultural, social, environment and resettlement.

- (iii) To categorize the development pockets in Sindh in term of Industries, Agriculture, resources, exploration of oil, gas, coal and other mineral and their efficient transport to other parts of country for development / strategic purpose. High standards of safeguards/ road safety will also be observed while planning.
 - (iv) The contribution of the transport sector to the economic and social development of Sindh and its efficiency.
 - (v) Current state and future demand for transport services and infrastructure;
 - (vi) Legislative, regulatory and policy background;
 - (vii) Transport planning capacity at transport agency levels;
 - (viii) General human resource capacity in transport sector;
 - (ix) Current development plans for road, and other transport sectors, including the potential to develop into a multimodal logistics hub;
 - (x) Operations and maintenance;
 - (xi) Current issues impeding the development of Sindh road network;
 - (xii) After identifying the main road systems, a road investment program for the next 20 years will be established with the use of objective prioritization criteria.
- (b) Under these studies, transport requirements, i.e., traffic demand, required network capacity and financing capacity, will be estimated for the next 20 years considering the government desired goals for the transport sector and other relevant policies.
 - (c) Financing requirements will be taken into consideration in order to prepare road investment program. Long-term strategies of implementing a financing mechanism for sustainability will also be developed.
 - (d) The component will define the most efficient network under a multimodal transport framework, giving due consideration to other transport model options and routes. The analysis will use existing and updated geographic information system data.
 - (e) Undertake consultations on the formulation of the road master plan through consultation workshops or other forums, such as seeking the views of stakeholders such as transport agencies, state-owned transport agencies, private sector, civil society and international development partners to understand existing and likely future issues in the road.
 - (f) Review of existing strategic planning capacity within WSD and other transport agencies and strengthening of their ability to plan long-term for development of sector policies, and transport services and capacity.

- (g) Preparation of a framework for prioritization of road sector projects. This framework will assist road agencies and decision makers on transport projects through the process of ensuring that the best choices are made and the best value for money obtained from investment in transport projects in Sindh. The framework will likely include both Cost Benefit Analysis (CBA) and Multi-Criteria Analysis (MCA) approaches. Two scenarios will be developed, an Economically Sustainable Scenario, and an economically and Environmentally Sustainable Scenario. Each project will be scored in the MCA according to how well it meets the defined appraisal criteria.
- (h) Preparation of a Sindh Transport Policy encompassing, but not limited to, the following:
 - (i) Review the importance of transport to the economy of Sindh;
 - (ii) Summarize existing demand for transport and existing condition of transport infrastructure and services;
 - (iii) Review existing funding of transport sector and propose a reasonable funding envelope for transport distinguishing between various modes and between operation and maintenance of existing infrastructure and new investment;
 - (iv) Set out the strategic priorities for transport in Sindh, including key transport corridors for development;
 - (v) Review the structure for delivery of existing transport services and recommend necessary reforms in transport policies, regulations and organizational structure;
 - (vi) Summarize the framework for prioritization of transport policies;
 - (vii) Summarize the human resource plan developed;
 - (viii) Recommend a series of measures designed to develop Sindh into a multi-modal logistics hub;
 - (ix) Review existing road network to make recommendations as to needed improvements to facilities and procedures;
 - (x) Review progress made in terms of road/transport safety and make any recommendations necessary to fulfill Sindh's road safety targets;
 - (xi) Minimizing transport impact on the environment; and,
 - (xii) Review existing design standards relating to transport projects and make recommendations as to needed changes.
 - (xiii) Deliver training to WSD staff for future upgradation and sustainability of Mater Plan.

(i) Long-Term Maintenance Concessionaire.

To ensure the sustainability of the Sindh roads, the consultants will prepare proposal to engage a long-term operation and maintenance concessionaire for following two Roads rehabilitated under Sindh Provincial Road Improvement Project assisted by Asian Development Bank on experimental basis.

1. Khyber to Sanghar via Tando Adam (64 km); and
2. Tando Mohammad Khan to Badin (67 km).

The concessionaire will collect toll on two proposed roads to support the operation and maintenance activities with a 10-year contract, and conduct maintenance with specified standards.

2) **Institutional Strengthening**

(a) Review the existing organizational structure, capacity and capability of WSD and PMU/RSDD related to the delivery of operation and maintenance of roads and related infrastructure in the Province of Sindh.

(b) Provide training for 1800 numbers Works and Services Department staff on the road planning, design, and economic analysis, development of key technical, managerial and asset management-related skills, focusing on major elements of highways infrastructure and asset management, RAMs framework such as:

(i) For Technical Staff

- Project Management
- Road Planning
- Road Design
- Economic Analysis
- Contract Administration
- Quality Control and Assurance
- Preparation, Monitoring and Evaluation of Work Programme
- Advance Building Construction technologies on different types of ground conditions (sandy, marshy, silty, seismic zones etc.)
- Asphalt Pavement Techniques
- Global Information System
- Road Safety
- Advance technologies in Surveying
- Laboratory Testing
- Road maintenance advance techniques adoptable in Pakistan.
- Environment, Resettlement and Social Issue Management
- Legal issues management
- Advance Bridge Designing Techniques.
- Transport Management.
- International Road Asset Management Standards (ASTM/ISO)

- Output & Performance Based Road Maintenance Contracts (OPBRMC) and related specifications
- RAMS implementation and embedment
- Any other Highways and Building related training necessary for skill development

(ii) For Non-Technical Staff

- Basic Computer MS Office
- Report Writing
- Record Keeping

The Trainer may combine the two or more training topics into single comprehensive training programme to deliver productive trainings.

3) **Deliverables and Reporting Requirements**

Reporting Requirements: The Consultant will prepare and submit to PMU five copies of each of the under mentioned reports. The format of these reports shall be mutually agreed with the PMU. One copy shall be sent directly to the Asian Development Bank together with softcopy:

- (a) Inception Report at within one month after date of commencement of services.
- (b) Monthly Progress Report within first week of every month starting from 3rd months from date of commencement of services.
- (c) Draft Institutional Strengthening Report within 12 months from date of commencement of services.
- (d) Mid-Term Review Report after 12 months from date of commencement of services.
- (e) Draft Road Network Master Plan within 15 months date of commencement of services.
- (f) Final Report within a month from date of receipt of comments from WSD/ADB.

Consultants will appoint a Coordination Engineer from its own resources, well versed with all TOR activities and would be in close coordination with WSD and PMU for any clarification, relevant report sharing, progress presentation, coordinate meetings with consultants and client as and when needed.

4) **Staffing**

1. A total consultancy input of 60 persons-months International and 257 person-months National staff are required for the preparation of Sindh Road Network Master Plan including Institutional Strengthening Trainings under Sindh Provincial Road Improvement Project (SPRIP), Work and Services Department Sindh Hyderabad. The consultancy services would be required for a period of 24 months. Team Leader of the consultancy firm is expected to be full time during the assignment.

2. Consulting Services will be engaged using Full Technical Proposal (FTP) procedures based on quality and cost-based selection (QCBS) method following ADB's Guidelines on the Use of Consultants (2013, as amended from time to time). The provisions of ADB's Anticorruption Policy will be included in all invitation documents and contracts for consultants. The tentative team composition for the assignment are given below:

Staffing Details for the Assignment:

Staff Position	Person No.	Duration (Person-Month)
International (Key Experts)		
Team Leader / Transportation Planner / Economist	1	24
Pavement & Road Maintenance Specialist	1	8
Institutional Reform Specialist	1	8
Financial Assessment Specialist	1	8
Contract Specialist	1	12
Sub-Total (International Experts)	5	60
National Experts		
Deputy Team Leader, Senior Transport Planner/ Engineer	1	24
Coordination Engineer	1	24
Transport Economist	1	15
Resettlement Specialist	1	18
Social Development Specialist	1	18
Environmental Specialist	1	18
Road Safety Specialist	1	12
Senior Highway Engineer	2	12
Traffic Engineer	2	12
Pavement Specialist	1	12
Data Quality Assurance Specialist	1	18
GIS/ Mapping Specialist	4	24
IT/ Database Specialist	1	10
Procurement Specialist	1	12
Planning Specialist	1	4
Assistant Engineers & Technicians	12	24
Sub-Total (National Experts)	32	257

Note:

- 1) All the staff appointed for above project may be terminated or replaced at any time during the project at the request of the Project Director PIU for justified cause.
- 2) In the budget, the experts charge rates includes Overhead Expenses of Consultant Offices, Transportation, Allied Staff, Utilities, Office Furniture, Equipment, Site Equipment, Overhead Expenditures etc