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Sunday. Both the winners and the runners-up -- Shree Krishna Pranama and Shriya R Revankar respectively -- will compete in the National U-17 tournament in Haryana in September.

**Football trials:** ADE Football Club will conduct selection trials for the 2018-19 BDFA Super Division football season between August 7 and

Commonwealth Games silver medalist Stacy Ndiwa led a 1-2 Kenyan sweep in the women's 10,000 for her county's fifth gold medal at the African Championships in Asaba, Nigeria, on Saturday. Ndiwa outspurred compatriot Alice Nawowuna on the final lap to win in a lifetime best 31 minutes, 17 seconds. Defending champion Nawowuna took silver in 31:36.12.



GOVERNMENT OF KARNATAKA  
**KARNATAKA STATE HIGHWAYS  
IMPROVEMENT PROJECT**



(PUBLIC WORKS, PORTS & INLAND WATER TRANSPORT DEPARTMENT)

1st Floor, PWD ANNEX Building, K.R. Circle, Bengaluru - 560 001

Tel: + 91 80 2222 6262, 2212 6758, 22126759/60/61 Fax: +91 80 2222 9666 E-mail: piukship@gmail.com

No.: PIU:KSHIP:ADBII/EMS:ISO:14001-2015:2017-18

Date: 06-08-2018

**REQUEST FOR EXPRESSION OF INTEREST (EOI)**

**For Consultancy services for Documentation to obtain  
ISO 14001:2015 certification to Seventy Seven (77 Nos.)  
KPWD offices under KSHIP-III Project**

The Government of Karnataka through the Government of India has intended to receive loan from the Asian Development Bank for an amount of \$ 346 US million equivalent towards the cost of the Karnataka State Highways Improvement Project III (KSHIP III) and intends to apply part of the proceeds of this loan to payments under the contract for provision of services to implement ISO: 14001-2015 in the KPWD.

The Services include; (i) An assessment of the current Environment Management System (EMS) in operation in the KPWD (ii) Assistance to the KPWD to achieve ISO 14001:2015 certification to 77 offices, through preparation of documentation, training and undertaking an initial complete Internal Audit.

The service to be delivered over an approximately Eighteen month's period.

The Project Director, Karnataka State Highways Improvement Project now invites eligible consultants/Firms to submit an Expression of Interest (EOI) for providing the above services.

**The firms shall be short listed based on the following criteria:**

1. Qualification of the firm to discharge the said services
2. Similar completed or ongoing Advisory services rendered
3. Services rendered to Government Organizations
4. Availability of Key Professionals with the firm
5. Consultant Firm's financial situation including fee income of last five completed financial years

Consultants may associate as joint venture to enhance their qualifications which shall be supported by written commitments from the associates. The "Association" may take the form of a joint venture (with joint and several liability) or of a sub-consultancy.

A Consultant will be selected in accordance with the Asian Development procurement Guidelines 2015, guidelines on use of consultants by ADB and its Borrowers and procurement Regulations for ADB Borrowers based on **Quality and Cost Based Selection (QCBS) (Lump Sum)** criterion. It is anticipated that RFP will be issued in the month of **December 2018**.

Interested Consultant/Firms may obtain further information at the address given below from **10.00 to 17.00 hours** on working days.

The draft TOR can be accessed on websites [www.kship.org](http://www.kship.org) & [www.kpwd.gov.in](http://www.kpwd.gov.in) by the prospective consultants/firms. The procurement is through E-Procurement portal of Karnataka. Request for EOI must be clearly marked as **"Consultancy services for Documentation to obtain ISO 14001:2015 certification to Seventy Seven (77 Nos.) KPWD offices under KSHIP III Project"** to be submitted only through E-Procurement portal [www.kpwd.gov.in](http://www.kpwd.gov.in) on or before **22nd September 2018**.

Sd/- PROJECT DIRECTOR  
PIU, KSHIP, Bangalore

DIPR/VDU/706/2018-19

GOVERNMENT OF MAHARASHTRA  
OFFICE OF THE EXECUTIVE ENGINEER  
PUBLIC WORKS DIVISION, AKOLA

**NOTICE FOR HYBRID ANNUITY MODE [HAM] ( ONLINE ) TENDER**

E-TENDER NOTICE No. 07/ EOP-2018-19

S. No.	Name of Post	Pay (in)
1.	Computer System Administrator	Rs. HR not
2.	Law Associate	Rs. HR not

Applications, complete in a sealed cover at Bhadbhada Road, Su and other terms and M.P. Madhyam/9108



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**Terms of Reference**

**Procurement of Consultancy Services for Documentation to obtain ISO 14001:2015 certification for Seventy Seven (77nos) Offices of KPWD under ADB 2<sup>d</sup> Load KSHIP-III Project**

**1. Background**

The **Karnataka Public Works, Ports, & Inland Water Transport Department**, GoK commonly termed as **Karnataka Public Works Department (KPWD)** is responsible for road works including maintenance on National Highways, State Highways and Major District Roads and construction & maintenance of Government Buildings. It also undertakes construction on behalf of other department under the Deposit Contribution Works. At the Secretariat the Department is headed by a Principal Secretary and a Secretary, PWD.

At field level it has **Four Zones**, namely, Communication and Buildings (C&B) South Zone, (C&B) North Zone, C&B North East Zone and National Highways. Each Zone is headed by a Chief Engineer. The Zonal offices consist of “Circles’ and ‘Divisions’. The Divisions are under the control of Circles and Circles are under the control of Zones. Each Circle is headed by a Superintending Engineer. The Divisions are headed by Executive Engineers. The Communication & Buildings South Zones divided into 5 Circles and 20 Divisions. The Communication & Buildings North Zone is divided into 3 Circles and 13 Divisions. The Communication & Buildings North East Zone is divided into 2 Circles and 5 Divisions.

The Chief Engineer, **National Highway** is primarily entrusted with the responsibility of carrying out works of the National Highway Authority of India (NHAI) and Ministry of Road Transport & Highways (MoRT&H). The major portion of funds operated is from the Government of India. The National Highways Zone is divided into two Circles and seven Divisions.

**Karnataka Road development Corporation Limited (KRDCL)** was established on 21st July 1999, as a wholly owned Government of Karnataka enterprise for development of road infrastructure in the State. Managing Director is the head of this enterprise.

**Karnataka State Highway Improvement Project (KSHIP)** is an initiative of the Public Works Department of the Government of Karnataka for the improvement of SH network in the State under World Bank and Asian Development Bank assistance. Chief Project Officer heads this organization.

**The Department of Architecture** was established in 1910 and is functioning as an independent Department since 30.10.1986. The Central office of the Department of Architecture is functioning at Bangalore and a division office at Dharwad. The main objective of the department is to furnish Architectural Design drawings for buildings of various Government Departments throughout the State. These are prepared based on the requirements furnished by the user department & site conditions. The department also furnishes Architectural Drawings to Quasi-Government Organizations, Autonomous Bodies, Boards, Universities, Zilla Panchayat, Corporations & Municipalities etc., on request from the concerned organizations. The

department is functioning presently with a team of Architects and other supporting Technical staff in various cadres, under the guidance of the Principal Chief Architect. This department is competent in designing the Government buildings architecturally to blend with the past and to suit the present style while adopting the changing trends in construction technology and new construction materials.

**The Ports and Inland Water Transport** is responsible for development and maintenance of ports along coastal region in the state and inland water transport in the state.

**State Highway Development Project** is taking up Re-construction, Widening, Strengthening and Renewal of State Highways as a part of improvements to Core Road Network in the State of Karnataka. The State Govt. has accorded approval for improvements to 15000 KM of core road network in the state.

KPWD has established **Planning and Road Asset Management Centre (PRAMC)**, vide Government Order No. PWD/11/EAP/2011 dated 23.08.2012, whose functions include Policy Development and Planning, Programming, Road safety, Information Technology support across the whole of PWD and Training support across whole of PWD.

KPWD has established **Quality Assurance** zone in the department. Chief Engineer QA is heading the zone with two circles and 2 divisions located each one in north and south region of the state respectively. Under the WB these QA labs/offices are being upgraded with advanced quality testing machines and training for effective quality control of works being carried in the department.

Under the IDSAP component of the World Bank, 14 KPWD offices comprising KSHIP (5 no's), KRDC (5 no's), KPWD Mangalore and Bellary Circle (4 no's), have been certified for ISO 14001-2004 certification in 2015 under a Pilot program. Based on the successful implementation, it is now proposed to cover remaining 77 offices of KPWD for ISO 14001:2015 certification under ADB 2<sup>nd</sup> Loan..

## **2. Rationale for adopting Environment Management System in KPWD**

**2.1** In view of the concern to protect the environment, the following environmental issues are to be considered in the design, implementation and operation of projects, inter-alia which include the following roadside tree-cutting, soil erosion, impact on air quality, excess noise, drainage, diversion of forest area, impact on water quality, depletion of water sources, eco-sensitive area management and cultural property management, etc.

**2.2** Therefore, the department intends to adopt an environment management system (EMS) approach in order to improve compliance with environmental regulations and to be consistent with the overall principles of environmental issues. The purpose is to mainstream these issues in the Department portfolio and to develop a good environment management system that is compatible with the International Standards i.e., ISO 14001-2015. In this context, the Department intends to procure the services of a consultancy firm for developing an Environmental Management System and institutionalize the same in the Department.

### **3. Objectives:**

**3.1** The basic objective of the present assignment is to develop **Environmental Management System (EMS)** in the department and develop Operation Manuals compatible with ISO 14001-2015 for mainstreaming the environmental issues in the department portfolio.

**3.1.1** The EMS is primarily intended to cover the following:

- a) developing Operation Manual & Procedures,
- b) Institutional arrangements,
- c) Training Modules, Monitoring System format,
- d) Specific Conditions for effective Environment Management for the prospective Contractors and Consultants of the Department.

**3.1.2** The broad objectives, thus, include:

- i. Review the current environmental management system in operation in Department and its allied organization's
  - ii. Evolve an EMS with standardized Operational Manual for Environmental Assessment as also for management of Risks and Opportunities Environmental issues with an objective of mainstreaming these aspects in department portfolio.
1. Assist Department to obtain **ISO 14001-2015** certification through means preparation of Manuals, Training and Capacity Building and Internal audits.  
The intention is to institutionalize the EMS and related procedures to address all environmental aspects having a bearing on the Operations, Products and Services of the Department.

### **4. Scope of Services:**

It is now proposed to prepare 77 KPWD offices up to the Division level for obtaining **ISO-14001-2015 Certificates**. List of offices enclosed.

The present assignment will cover all facets of the operations of the Department, to address the environmental aspects starting from developing procedures and manuals, training modules for capacity enhancement, and guidelines for consultants, monitoring mechanism etc. and integrating them with the management information system (MIS) of the Department. The Consultant is required to undertake following tasks 1 to 4. However, the consultant is encouraged to propose reasonable modifications or additions to these tasks in his Technical Proposal.

**Task 1: Inception report giving methodology and Modification to Terms of Reference, if any, including reviews of Existing Framework of EMS in KPWD.**

1. Assess the existing system of Environmental assessments and Management at various stages of project lifecycle in the Department.

2. Review various Statutory, Regulatory requirements including relevant laws in the State and Country. This include inter-alia:
  - a) National Environmental Policy, regulations and requirement of the multilateral funding agencies.
  - b) Environment clearances under the Environmental Impact assessment (EIA) notification 2006
  - c) No objection Certificate (NOC) from State pollution Control Board (SPCB) and
  - d) Prior permission from the Forest department for repairs and improvement of roads under Forest Conservation Act 1980,
  - e) Clearance from Wild life Board, under National Wild life act.
3. Safe Guard Policies of the World Bank, Asian Development Bank related to Environment Protection.
4. Institutional Mechanism in place for compliance to all the relevant laws, regulations and requirements of National and Multilateral funding agencies.

## **Task 2 Training and Capacity Building**

1. An inherent mechanism for capacity building of staff at various levels along with regular refresher training programs needs to be developed. The consultant would be required to **develop training modules and conduct training in batches for building the capacity of the departmental staff**. The training module should be in accordance with the ISO requirements. It shall cover but not limited to ISO 14001-2015 standards, Environmental Operation System, document management system, internal audit and corrective actions.

2. The Consultant will identify a core team of trainers, in consultation with the department. The consultant will undertake training of trainers through formal class work, team exercises, and on-the-job training as a minimum. At least One Hundred and Fifty (150nos) departmental staff from Assistant Engineer to Chief Engineers levels will receive training as trainers from the consultant. The consultant shall develop a training evaluation system for assessing the effectiveness of the training program.

## **Task 3: Development of Environmental Management System (EMS)**

The consultant is required to develop an Environmental Operations Manual conforming to **ISO 14001-2015** for KPWD that would include but not limited to Standardized Operational Procedures (SOP), Environmental Policy and an Institutional Mechanism that will include inter-alia the following;

1. Scope for design, project execution and maintenance by consultants or contractors involving environmental aspects.
2. Scope for Environmental Impact Assessment (EIA) and Environmental Mitigation Plans
3. Environmental Screening procedure to assess the magnitude of impacts.
4. Guidelines and standard outline formats for the EIA, for different categories of projects, depending upon the requirements of assessment.

5. Standardized EMP implementation Monitoring formats for different categories of projects, depending upon their requirements.
6. Setting up responsibilities, time frame and schedule for achieving the environmental targets and objectives.
7. Communication strategy for EMS.
8. Procedures and Manual for different regulatory requirements
9. Standardized Bid Documents for Project coordinating consultancy, Construction supervision consultancy, Contractors and Independent Engineer services.
10. Monitoring Tools of Environmental Assessment and Impact Mitigation Plans
11. Environmental Policy for department with overall objectives for the department.
12. Institutional Mechanism to achieve the objectives of effective management of environmental issues at various stages of Project Life cycle.
13. To ensure a check on the system of implementation, review and corrective action to establish continual improvement.
14. Development of Database System for storage and retrieval of an environmental data as well as monitor the progress of the project implementation compatible to the existing Management Information System (MIS) of department.
15. Environmental Roles, Responsibilities and Functional Matrix for different levels within department. The system should also define the environmental roles and responsibilities for external consultants/contractors.

The above sub tasks shall be based on International Best Practices, adapting those to Department Policies as well as the current Institutional Framework.

#### **Task 4: Assisting department in obtaining ISO 14001-2015 Certification**

The Consultant shall **undertake a complete Internal Audit** of the EMS put in place in at all the offices seeking the registration, immediately prior to the Department seeking third party registration. A short audit report shall be prepared by the Consultant. The Consultant shall **assist the department during the certification audit and also assist in closing the Non-Conformities.**

#### **5. Methodology:**

The Consultant will develop the methodology and plan in their Technical Proposal detailing the approach they intend to employ for the assignment. The methodology shall include step-wise deliverables and the time frame for each deliverable

#### **6. Outputs And Schedule For The Completion Of Tasks:**

The following outputs both in **soft and print** copies are to be submitted (except for Sl.no.4,6 & 7)

Sl. no	Output	Time frame (Commencing from date of award)		No. of copies/persons	
		Draft	Final	Draft report	Final report
1.	Inception report, giving methodology and modifications to the TOR including review of Existing Framework of Environmental Management as per <b>task 1</b>	2 month	2½ month	10 copies	10 copies
2	Training modules as per <b>Task 2</b>	3rd month	3½ months	10 sets	10 copies
3	Conducting training in batches to 77 offices including training of trainers as per <b>task2</b>	5 <sup>th</sup> Month		10 copies	5½ month to
4	Report on <b>training evaluation system</b> as per <b>task 2</b>	6th month	6½ months	10 Copies	10 copies
5	Development of EMS Manuals and Operational Procedures and mechanisms including development of user-friendly software for monitoring key operations and activities as per <b>task 3</b>	12 <sup>th</sup> month	13 <sup>th</sup> month	10 copies	10 copies
6	Undertake a complete <b>Internal Audit</b> of the EMS put in place in at all the offices seeking the registration, immediately prior to the Department seeking third party registration as per <b>task 4</b>	15 <sup>th</sup> month	16 <sup>th</sup> Month	10 copies	10 copies
7.	<b>Assist the department</b> during the certification audit and also assist <b>in closing the Non-Conformities.</b> as per <b>task 4</b>	17th month	18th Month	10 copies	10 copies

## **7. Client's Responsibilities**

KSHIP will provide letters of introduction for the consultant addressed to all agencies relevant to the assignment. Copies of TORs currently in use, policies being adopted, environment impact assessment and environment management plan reports. The client will not provide any office space, transport or other logistical support.

## **8. Focus Group**

Focus group comprises of Chief Engineers / Superintending Engineers of the respective 77 KPWD offices selected for obtaining ISO 14001-2015 certification. They will act as Primary interface of KPWD with the consultant.

## **9. Review Committee**

The review committee for this assignment will include Secretary KPWD & Chairman IDSAP, GoK and members of the IDSAP. This committee will provide its feedback on each output within 15 days of their receipt.

## **10. Consultant's Input**

The consultant is expected to provide **65 Person-months** of inputs over **18 months duration** as below.

<b>Position</b>	<b>Personnel</b>	<b>Number</b>	<b>Months</b>	<b>Person Months</b>
K1.	Environment Management System Specialist/ <b>Team Leader cum Lead Auditor.</b> Master's degree in environmental discipline with minimum 10 years of experience in EMS and minimum 7 years of experience in Highway Engineering/ Buildings or Structural Engineering.	1	16	16
K2.	<b>Planning Specialist</b> , with Master's degree in Civil Engineering and minimum 7 years of experience in planning.	2	9	18
K3.	<b>Building and Highway Specialist</b> with Master's degree in civil/highway engineering and minimum 7 years experience in construction of Buildings and highways.	2	7	14
K4	<b>Environmental Specialist</b> with Master's degree in Environmental Engineering or Science with minimum 7 years experience in Environmental Management System	2	8	16
K5	<b>Training and Human Resource Specialist.</b> A Graduate with completion of ISO 14001 Lead Auditor Training and with minimum 5 years of experience in Conducting ISO 14001 Awareness and Internal Audit Training.	2	3	6
	<b>Total</b>			<b>70</b>

The above man months are indicative. The consultant is free to propose man months based on the Terms of Reference.

Appendix to annexure A

List of 77 KPWD offices for ISO 14001:2015 Certification under ADB2nd Loan assistance

Sl No.	Zone	Circle	Division	Nos
1	Chief Engineer C&B North Zone	SE Dharwad	EE, Dharwad	
			EE, Gadag	
			EE, Haveri	
			EE, Karvar	
			EE, Sirsi	
		SE Belgaum	EE, Belgaum	
			EE, Bijapur	
			EE, Bagalkot	
			EE, Chikkodi	
		SE Shivamogga	EE Shivamogga	
			EE Chitradurga	
			EE Davanagere	
			EE Spl Divn Shivamogga	17
2	Chief Engineer C&B North East Zone	SE Ballary	EE Ballary	
			EE, Raichur	
			EE, Koppal	
			EE, Hadagali	
		SE Gulbarga	EE, Gulbarga	
			EE, Bidar	
			EE, Yadgir	8
3	Chief Engineer C&B South Zone	SE Buildings	EE 1, Buildings	
			EE 2, Buildings	
			EE, ESI	
			EE, Eletric	
		SE Bangalore	EE, Bangalore	
			EE, Ramanagara	
			EE, Tumakur	
			EE, Madhugiri	
			EE, Kolar	
			EE, Chikkabalapur	
		SE Mysore	EE, Buildings Mysore	
			EE, Mysore	
			EE, Mandya	
			EE, Chamarajanagar	
		SE Hunsur	EE Hunsur	
			EE, Hasan	
		SE Hassan	EE, Chikamagalur	
			EE Mangaluru	
		SE Mangalore	EE, Kodagu	
			EE, Udupi	24

4	Chief Engineer National Highway Zone	SE Bangalore	EE, Bangalore	
			EE, Chitradurga	
			EE, Mangalore	
			EE, Spl. Dvn Bangalore	
		SE Dharwad	EE, Hubli	
			EE, Bijapur	
EE, Karwar	10			
5	Principal Chief Architect PWD&IWTD	-	Dpy.CA, Dharwad	2
6	Director of Ports & Inland Water Transport, Karwar	Port	Port officer Karwar	
			Port officer Honnavar	
			Port Officer Kundapur	
			Port Officer Mangalore	
			Port Engineer Karwar	
			Marine Engineer Karwar	
			Ex-Engineers Udupi	
			Ex-Engineers Karwar	
		Inland Water Transport	Dpy.Director Karwar	10
7	CPO SHDP	-	-	1
8	CE Quality Assurance	SE Mysore	EE Hassan	
		SE Dharwad	EE Belgaum	5
Total	8	12	57	77

Note SE Ballary and SE Mangalore , EE Ballary & EE Mangaluru PWD have been excluded from the scope