कार्यालय अतिरिक्त मुख्य अभियंता (पी.पी.पी.) सार्वजनिक निर्माण विभाग, राजस्थान, जयपुर।

No. F.7(365)/PPP/2018-19/D- 150

श्रीमान् निदेशक,
सूचना एवं जनसम्पर्क विभाग,
राजस्थान, जयपुर।

विषय :—निविदा सूचना संख्या: 08/2019–20 के लिए निविदा नोट प्रकाशन करने बाबत।

महोदय,

उपरोक्त विषयान्तर्गत सूचना की सात प्रतियां हिंदी भाषा में विज्ञापन हेतु प्रकाशनार्थ संलग्न कर भिजवायी जा रही हैं जिसका प्रकाशन एक राज्य स्तरीय दैनिक समाचार पत्र एवं एक राष्ट्रीय दैनिक समाचार पत्र जैसे टाइम्स ऑफ़ इंडिया, हिन्दुस्तान टाइम्स, दी हिन्दू व इंडियन एक्स्प्रेस आदि में से प्रकाशन कराने का श्रम करें। इस सूचना को International Trade Journal में भी प्रकाशित करवाने का श्रम करें।

सूचना की सॉपट प्रति भी संलग्न सी.डी. में डी.आई.पी.आर. की वेबसाइट पर प्रकाशन हेतु भिजवाई जा रही है।

संलग्न :—उपरोक्तानुसार।

भवदीय

(दिवेश कुमार अग्रवाल)

अति.मुख्य अभियंता (पी.पी.पी.)
सा.नि.वि.राजस्थान, जयपुर
OFFICE OF THE ADDITIONAL CHIEF ENGINEER (PPP) P.W.D., RAJASTHAN, JAIPUR

No. F.7 (365)/PPP/2018-19/D- 450

Date: 01/7/19

NIT No. 08/2019-20

EXPRESSION OF INTEREST

On behalf of Hon’ble Governor of Rajasthan, Public Works Department, Rajasthan (India) invites Expression of Interest (EoI) for appointment of Individual Social Development Specialist in specified format are invited for Consultancy Services for preparation of Social Safeguard Management Plan development for ADB/WB funded highways under Rajasthan State Highway Development Programme (RSHDP) and its implementation.

The EoI document can be viewed or / and downloaded from website: http://sppp.rajasthan.gov.in, http://www.roads.rajasthan.gov.in and http://eproc.rajasthan.gov.in from 01.07.2018. Any further amendments to the EoI documents shall only be made available on above websites as such prospective Consultants are expected to visit the above websites for the same.

(Dinesh Kumar Agarwal)
Additional Chief Engineer (PPP)
PPP Division, Public Works Department,
Nirman Bhawan, Jacob road Civil Lines
Jaipur-302006
Email: aceppp.pwd@rajasthan.gov.in
Tel: +91-141-2223547
OFFICE OF THE ADDITIONAL CHIEF ENGINEER (PPP) P.W.D., RAJASTHAN, JAIPUR

NOTICE INVITING TENDER

NIT No. 08/2019-20

Government of Rajasthan

REQUEST FOR EXPRESSION OF INTEREST (REoI)
Project Management Consultancy
Rajasthan State Highways Development Program-II (RSHDP-II)

1. The Public Works Department, Government of Rajasthan has applied for a loan from the World Bank in the amount of US$ 250 Million towards the cost of the Rajasthan State Highways Development Program-II, and intends to apply part of the proceeds for consulting services for project management services.

2. The Consulting Services ("the Services") include the provision of technical and managerial support to the Project Management Unit (PMU) under PPP division to implement RSHDP II. The support is sought through a consulting firm with various field of expertise interalia, engineering design, quality assurance, contract management including dispute resolution, procurement and financial management, social and environmental safeguards, road safety, gender mainstreaming, monitoring and evaluation and reporting. The total estimated implementation period will be five (05) years.

3. The Terms of Reference (TOR) for the assignment are attached at Annexure-I. The TOR can be found at http://www.pwd.rajasthan.gov.in, http://eproc.rajasthan.gov.in and http://sppp.rajasthan.gov.in or can be obtained at the address given below.

   Mr. Dinesh Kr Agarwal,
   Office of Additional Chief Engineer (PPP)
   Nirman Bhawan, Jacob Road
   Civil Lines, Jaipur -302006, Rajasthan, India
   Tele: +91 141 2223547
   Email: aceppp.pwd@rajasthan.gov.in

4. The PPP Division, Public Works Department, Jaipur, Rajasthan now invites eligible consulting firms ("Consultants") to indicate their interest in providing the Services. Interested Consultants should provide information demonstrating that they have the required qualifications and relevant experience to perform the Services in the format Annexure-II.

5. The Short listing criteria can be found at http://www.pwd.rajasthan.gov.in, http://eproc.rajasthan.gov.in in Annexure-III.
6. The attention of interested Consultants is drawn to Section III, paragraphs, 3.14, 3.16, and 3.17 of the World Bank's "Procurement Regulations for IPF Borrowers" July 2016, setting forth the World Bank's policy on conflict of interest. In addition, please refer to the following specific information on conflict of interest related to this assignment as per paragraph 3.17 of the Procurement Regulations.

7. Consultants may associate with other firms to enhance their qualifications, but should indicate clearly whether the association is in the form of a joint venture and/or a sub-consultancy. In the case of a joint venture, all the partners in the joint venture shall be jointly and severally liable for the entire contract, if selected.

8. A consultant will be selected in accordance with the Quality and Cost Based Selection (QCBS) method set out in the Procurement Regulations.


10. PPP Division, PWD shall open online, all the REoIs received in the e-procurement portal at 12.30 hours IST on 17.07.2019 in the presence of the applicants, who choose to attend. PPP Division, PWD will subsequently examine and evaluate the EOI in accordance with the provisions set out.

11. Additional information can be obtained from address mentioned below:

   Additional Chief Engineer, PPP Division
   Public Works Department, Jacob Road, Civil Lines,
   Jaipur, Rajasthan, India, Pin code- 302006,
   Telephone: +91-141-2223547
   Fax: +91-141-2223547
   Electronic mail address: aceppp.pwd@rajasthan.gov.in

   (Dinesh Kr. Agarwal)
   Additional Chief Engineer (PPP)
   PWD, Rajasthan, Jaipur

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Copy of information and necessary action to the following:

1. PS to Pr. Sec. PWD, Govt., of Rajasthan, Jaipur.
2. PS to Secretary PWD, Govt., of Rajasthan, Jaipur.
3. Chief Engineer & AS/CE (Road)/CE (NH), PWD Rajasthan, Jaipur.
4. Superintending Engineer, PWD Circle PPP-I/PPP-II.
5. Project Director (PPP), PWD Jaipur.

Date: 01/17/19

Additional Chief Engineer (PPP),
PWD, Rajasthan, Jaipur.
Annex-I

Accessing/ Purchasing of REoI documents and Submission Online

1. Online submission of bids through Government of Rajasthan e-portal http://eproc.rajasthan.gov.in, can be made by the interested applicants after enrolling with the above mentioned web site using the option “Click here to Enroll”. This enrollment is free at this point of time. Possession of a Valid Class II/III Digital Signature Certificate (DSC) in the form of smart card/e-token in the Company’s name is a prerequisite for registration and participating in the bid submission activities through this web site. Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available in the web site http://eproc.rajasthan.gov.in under the link “Information about DSC”. The web site also has user manuals with detailed guidelines on enrolment and participation in the online bidding process. The user manuals can be downloaded for ready reference.

2. The Expression of Interest along with all relevant documents should be submitted online on https://eproc.rajasthan.gov.in before the due date and time, i.e. 17.07.2019 upto 11:30 Hrs IST.


4. Physical Request of Expression of Interest (REoI) in sealed envelope, complete in all respect, may also be submitted in the office mentioned above on or before due date.
   • to the address above, on or before 17.07.2019 by 11:30 Hrs. IST.
   • a non-refundable Application Fee in the form of Demand Draft or Bankers Cheque of INR 100/- (Rupees One Hundred) (inclusive of taxes if any) payable at Jaipur in favour of “ Project Director (PPP), PWD, Jaipur”, if downloaded from websites.
   • a non-refundable Processing Fee of INR 1000/- (Rupees One Thousand) in the form of Demand Draft or Bankers Cheque in favour of “ MD RISL” payable at Jaipur.
   • Application Fee & Processing Fee can also be deposited online to the Bank account as per following detail:
     o Account holders Name : Additional Chief Engineer (PPP), PWD Jaipur
     o Name of Bank & Branch : State Bank of India,
     o Branch : PWD Campus, Jaipur (India)
     o Account No. : 38511278294
     o IFSC Code : SBIN0031820

[Signature]

(Dinesh Kr Agarwal)
Addl. Chief Engineer (PPP)
PWD, Rajasthan, Jaipur
TERMS OF REFERENCE

A. BACKGROUND

Rajasthan State Highways Development Program-II (RSHDP - II) has established a well-thought-out investment strategy including the following elements:

a) The state government launched RSHDP to develop and upgrade of State Highways (SH) using latest technology to cater for the ever-increasing traffic and overloading over the years. Till now, proposals for development of SHs & MDRs (132 highways with a total length 8,910km) have been identified and finalized.

b) The aim is to develop an efficient transport system, which is a pre-requisite for sustained economic development of the state and contribute to the national economic growth. The transport system so improved will facilitate movement of people and freight, boost trade and commerce, links industry and agriculture with markets and increase the access and mobility to under developed regions of the state.

c) The Government of India has applied for financing from World Bank for improving priority state road network in Rajasthan state. Public Works Department (PWD), Government of Rajasthan “(the Client)” has initiated Rajasthan State Highway Development Program (RSHDP) which aims to improve about 20000 Kilometer of State Highways (SH) and Major District Roads (MDR) to 2-lane or intermediate lane standard.

d) As part of RSHDP, about 765 Kilometer of SHs have been included under WB financial assistance Tranche-I, as Rajasthan State Highways Development Program-II (RSHDP-II) to improve the efficiency and safety of road transport in the state of Rajasthan.

e) RSHDP II focuses on (i) operationalizing the Rajasthan State Highways Authority notified through the Rajasthan State Highways Development Act No. 22 of 2015, with modern network management system and enhanced financing sources (ii) Rehabilitation/Development of 11 State Highways with an estimated total length of 765 km, and (iii) Improvement of Road safety management capacity in the state, through evidence based engineering and enforcement interventions; RSHDP shall be implemented through PPP Division of PWD, Government of Rajasthan which will act as the client. To assist PWD, GoR in implementing the road improvement works efficiently; it has
decided to engage Project Management Consultant (PMC) using the proceeds of the WB financing.

f) The project roads are to be constructed under two modalities i.e. under Annuity mode and under EPC mode.

B. The Service
The main objective of Project Management Consultant is to provide support to the PPP Division of Public Works Department, Government of Rajasthan to implement the Rajasthan State Highway Development Program as per world bank guidelines and to provide technical advice and implementation support to PWD, including interalia,

(i) Monitoring of highway improvement, strengthening of PWD PPP division and road safety with periodic site visits
(ii) Reminding the client of any major actions it would need to take as per the contracts or in response to the loan covenants of the Bank
(iii) Assessing the progress of project outputs and outcomes per the project’s M&E framework;
(iv) Act as PWD’s technical agent during its site visits and bring to the notice of PWD any significant quality aberrations or cost variations;
(v) Support the client on all environmental and social management activities/requirements of the project; and
(vi) Prepare monthly and quarterly project reports for PWD and the Bank.

The scope of PMC services is the following but not limited to:

(i) Develop an implementation plan for the entire project comprising of all components/activities, quantified deliverables of physical works for each package, outputs of consultancy services, the related financial plans on a monthly or quarterly basis as appropriate;
(ii) Develop a monthly detailed project progress monitoring framework in line with the M&E framework already included in the project appraisal document (PAD), which focuses on only key outputs/outcomes; assist the Client in monitoring the implementation of the plan in (a) above and more specifically, in close collaboration with the independent engineers (IE) PPP-HAM.
packages and Authority Engineers (AE) in EPC packages, assist the Client in monitoring the implementation progress of PPP-HAM and EPC civil works contracts, in terms of physical and financial progress, compliance with environmental and social safeguard requirements outlined in the respective instruments, and other related aspects,

(iii) Prepare comprehensive progress reports and submit to PPP division PWD quarterly, which in turn will share copies to GoI and World Bank;

(iv) Flag potential implementation issues before and when they crop up, advise the client how to address them;

(v) Prepare the documents as required for the client to submit the subsequent Interim Unaudited Financial Reports (IUFR) to WB in order to timely secure further funding for the development program,

(vi) Develop a project performance monitoring system (PPMS) appropriate for the PPP/EPC projects being implemented by the client and in accordance with the international best practices, and

(vii) Review the progress of the state highway improvement component and suggest client for micro planning to achieve the target

(viii) Review contractors’ work plan submitted through IE/AE to using project management tools such as primavera or MS project and suggest suitable modifications necessary to achieve the targets

(ix) Review the recommendations for time extension and financial compensations submitted to the PPP division by the IE/AE and advise the client on its decision

(x) Conduct User Satisfaction Surveys to obtain feedback on citizens’ perception of the adequacy and efficiency of services provided under the project.

(xi) Other related works as requested by the client.

The consultant will be selected in accordance with the procedure specified in the World Bank guidelines: "Procurement Regulations for IPF Borrowers: Procurement in Investment Project Financing Goods, Works, Non-consulting and Consulting Services, July 2016.

1 Safeguard instruments include – Social Impact Assessment (SIA) and Social Management Plan (SMP) Resettlement Action Plan (RAP), Environmental Management Plan (EMP), Contractors Environmental Social, Health and Safety management strategy and implementation Plan
C. PROJECT

The project involves following components.

- Civil works component for improvement and development of highway on EPC mode and hybrid annuity mode including road side plantation and digital highway
- Operationalization of Rajasthan state highway authority (RSHA) including its setting and establishing credit rating, network development planning and road audit management.
- Institutional strengthening (PWD PPP Division) by strengthening business process and system which includes the development of online project management system (e-pms), development of an online management information system for implementation of resettlement action plan (e-rap) and training of PIU and PMU staff on these tools. It will also include enhancement of road asset management system (R-AMS), citizen engagement and accountability mechanism and capacity building of PWD management and technical staff.
- Road safety component will take a multi sectored approach to building the state capacity of road safety management using road accident database management system (RADMS), speed management program, road safety management program, road safety performance survey (iRAP studies), black spot improvement and developing a long term road safety strategy.
- Project management support- for Operationalization of RSHA, project management for PWD division, PMC, independent audit & DLI’s verification, user satisfaction surveys.

Note: The details in Annexure I are indicative only and are liable to change at PIU’s discretion.

Institutional & Government Strengthening/ Development:

Several consultancy services of varying size are planned for the implementation of this component, which will be guided by (respectively) Institutional Development and Governance & Accountability action Plans (IDAP and GAAP). Procurement action to finalize and launch the more substantial consultancies is underway at different stages. Execution of these consultancy assignments would take place over almost the entire RSHDP-II period, and the PMC shall assist the PPP Division in the monitoring the overall progress and results of the IDAP and GAAP implementation programs.

IT-ICT-MIS Improvement & Support:

The PPP Division is in consultation with RISL, Government of Rajasthan to prepare MIS and mobile application system. The PMC shall assist the PMU in the decided procurement with associated procurement actions, in implementing the planned IT-ICT-MIS enhancements and in
management of PWD cantered IT-ICT-MIS functions and operations, including staff training and capacity-building measures.

Road Safety:

The road safety component will take a multi-sectoral approach to building the state’s capacity for road safety management, using both proactive and preventive methods. A road safety Management programme is monitored by GoR with consultation of PWD, Transport Department, and with the of NGO. The PMC will assist PMU in the planning and achievement of the road safety target set by the world bank as described below in details.

Road Accident Database Management System (RADMS)

This sub-component will provide support to the Government of Rajasthan in developing and operationalizing a Road Accident Database Management System (RADMS) anchored at the Police Department with the capability of crowd sourcing crash data. The following activities will be proposed under this sub-component: (i) preparation of an improved crash/injury database system by systematically investigating current data collection and analysis systems, and analyzing options for better combined use of Police and Health data; (ii) development of specifications for a major initiative to reform crash data business processes, formalize agency roles and responsibilities, and prepare for new capital and operational investment; (iii) implementation of the crash data initiative, combining software and related hardware investments for a new crash data system, with additional operational investment in collecting, collating and analyzing crash data; and (iv) deployment of community-based road accident reporting for local residents to report to police and emergency services on crashes using a smartphone application to be developed by the project.

Speed Management Program

This sub-component will support the piloting of a speed management program along three high risk corridors (each approx. 100kms in length). This will include the following activities: (i) Identification of three high risk corridors (each approx. 100kms in length); (ii) Undertaking speed management study to prepare recommendations and support policy and investment decisions regarding setting and enforcing speed limits, professional capacity building, public information and awareness, monitoring and evaluation; (iii) Investing in automated enforcement, including mapping priority enforcement sites and establishing a highway patrol (within the Police Department); (iv) Professional capacity building, publicity and communications activities; and (v) Developing and implementing monitoring and evaluation systems for the program.

Road Safety Performance Survey (iRAP studies).
The project will support a road safety performance survey for the state highway network, or at least for the strategic network, to establish the road safety level in each road segment. This is a proactive/preventive approach to help the PWD/RSHA, and the road safety lead agency to understand the safety risks involved in each road corridor and the required investment to bring the risk to an acceptable level. The following activities will be proposed: (i) Conduct a comprehensive iRAP survey for high risk state highways; (ii) Prepare a Safer Roads Investment Program (SRIP) to estimate future infrastructure safety needs and plan a significant multi-year investment allocation to upgrade the safety star rating of the core road network and (iii) Undertake iRAP training for senior PWD staff. This subcomponent will be a pilot on a small scale, with a view to help the state scale it up to the state road network as appropriate and feasible.

Road Safety Strategy

This sub-component will provide support to the Government of Rajasthan in developing an ambitious long-term road safety strategy based on the safe systems approach, incorporating: (i) an ultimate vision for road safety in Rajasthan; (ii) interim targets for final and intermediate outcomes; (iii) strategic directions for a full range of interventions; (iv) management and implementation arrangements including funding requirements; and (v) related monitoring and evaluation tools. The project will finance technical assistance to (i) prepare the long-term road safety strategy and identify one or more funding mechanisms and (ii) prepare a multi-year action plan to implement the new strategy.

Review of Approach to Black Spots

For many years, Rajasthan and other states have been treating black spots by signage, guard rails, speed calming measures, speed restrictions, improving sightlines, straightening bends, and the like. More recently, a debate has arisen over the effectiveness of such measures, in terms of how black spots are defined, identified, and remediated. This sub-component will support an exercise to re-assess existing approaches to black spot improvements and to disseminated and discuss the results. This may also result in the development of new training program for PWD staff and police officers.

Project Performance Monitoring:

A Project Agreement for RSHDP-II will be established between the WB and the Government of Rajasthan, inter-alia stipulating certain covenants for project governance, milestones and outcomes. These shall be monitored by PMC, including via a Project-specific ‘performance monitoring indicators’ matrix that will be determined by WB and GoR before Project launch.

IMPLEMENTATION MECHANISM
The implementation mechanism established by employer is explained below through Institutional Development Chart.

**At PMU Level**

- **Additional Chief Engineer**
  - Legal Consultant, PMC
  - SIA Consultant, Financial Consultant
  - Superintendent Engineer (WB/SCM/VGF) (Technical + Procurement)
  - Executive Engineer (WB) (1) (Technical + Procurement)
  - Assistant Engineer (WB) (1)
  - Financial Advisor
  - Account Officer (1)
  - AAO (1)
  - Accountant (1)

**At PIU Level**

- **Project Director (S.E. / E.E.)**
  - Audit + Accounts
    - Auditor for each roads
    - Accountant
  - Technical Wing
    - E.E. / A. E. (as per quantum of work)
    - E.E. / A. E. (as per quantum of Work)
  - Resettlement & LAO (RAS)
  - IE / AE
  - Revenue Inspector (Part time)
The PIU will be the main interface between the Employer and consultant/concessionaire/contractor. The PIU will conduct its business as per authorization under various agreements with contractor/consultant/concessionaire and under rules and regulations of the Employer.

D. DETAILED TASK OF THE PMC

Task 1: Project Management Support

(i) Assist the PPP Division in preparing of Annual Work plan and Budget (AWP&B) covering physical and financial aspects and analysis of variance against actual on a quarterly basis.

(ii) Review, monitor and advise on the implementation of PPP concessions/ EPC Contracts, including advising the client on the use of the bidding documents and concession/ EPC agreement, advising (the Client) on concession-related/ contract-related matters, supporting the client in preparation of documentation for concession/contract administration, advising the client on any potential issues of project implementation, and coordinating within the project or third parties as necessary.

(iii) Develop a detailed project monitoring plan including devising methodology for data collection in line with the projects M&E framework, collect baseline data as soon as possible to capture situations before the project, collect periodic data as laid out in the M&E framework and include it as part of project reports.

(iv) Assist PPP cell for updating technical and any other information required for operating the WB’s STEP procurement management system.

(v) Develop a detailed implementation plan for each activity of the project, using critical path method (CPM) and based on international best practice; review and update the plan from time to time.

(vi) Prepare projections of contract awards and disbursements for the project and continuously update the requirement for financing based on the change orders and contract variations agreed upon in the project.

(vii) Monitor from time to time the status of available funds, fund flows within the investment program, disbursements of funds from the loan account, projections of future financial needs, and the financial progress of each concession/contract.

(viii) Assist the client developing/strengthening a payment tracking system to ensure payment certificates of the concessionaires/contractor are processed in a timely manner, and facilitate and monitor the overall progress of requests for reimbursement from CAAA through the necessary process within the State Government of Rajasthan and Government of India.

(ix) Identify issues and actions requiring management of interfaces between different parties within the investment program and external parties, such as local governments, utility companies, Ministry of Railway, forest department, parties involved in land acquisition, implementation of resettlement plan and
implementation of environmental management plan, etc. Establish an interface management matrix to identify the interfaces, parties involved, decisions required and timeline for solving the interfaces. Monitor the timely addressing of Interfaces and advise the client on pending decisions/actions.

(x) Assist the client in drafting ToRs and RFPs for engaging consultancy services for various activities envisaged under the project. Provide technical support during subsequent processes, but not as such in evaluations of proposals, Coordinate the activities of different consulting firms engaged under the project, review and provide comments and feedback to the consultant’s outputs, consolidate comments received from within PWD and other departments, stakeholders and the World Bank and assist the client in communication the respective consultants on the consolidated comments. Co-chair output review meetings with the representative of PPP Division.

(xi) Closely work with the consultant that will be engaged to develop important project management and network management systems viz e-PMS, e-RAP, RAMS and development of transport demand model and network development investment planning tool.

(xii) Prepare monthly and quarterly reports as required for management of the project and reporting to Rajasthan PWD and World Bank.

(xiii) Conduct User Satisfaction Surveys to obtain feedback on citizens’ perception of the adequacy and efficiency of services provided under the project. The surveys will be administered three times during the life of the project: In Year one to establish baseline, In Year three (3) to feed in to the mid-term review and in the last year of the project to generate end-time data.

(xiv) A Road accident Database Management System (RADMS) will be developed under this project by Road Safety consultant. The PMC consultant will assist the client in managing this contract, review outputs, and monitor implementation of RADMS.

(xv) Advise and assist in preparation of Bid Evaluation reports, negotiation, contract agreement, LOA for various consultancies and work contracts.

Task 2: Financial Management Support

(i) Assist the PPP Division in monitoring the budget availability, commitments, funds availability (budget appropriation) on a regular basis to ensure that all project payments are made in a timely manner as per the contract terms.

(ii) Assist the PPP Division in preparing the Annual Project Financial Statement (APFS) as per the template provided in Operations Manual.

(iii) Assist the PPP Division in preparation of the quarterly IUFRs. The IUFRs are to be prepared on the basis of accounting records in IFMS.

(iv) Ensure only eligible expenditure as per the Loan Agreement is claimed from the Bank and the legal covenants remain in compliance.

(v) Assist in submission of required documentation to CAAA, GoI for the preparation
of withdrawal application for getting reimbursement from World Bank.

(vi) Assist the PPP Division in updating Chart of Accounts for capturing the project expenses in recording in the current Integrated Financial Management System Software (IFMS), developed by National Informatics Center (NIC), so that it is able to undertake budgeting and other functions to be fine-tuned by allowing for expenditure to be identified (a) by donor/source (b) by project component/sub-components (c) by nature of expenditure and provide the necessary training and assistance during implementation.

(vii) Support in statutory compliances including Income tax, GST etc.

(viii) Assist the PPP Division to maintain and periodically update an asset register which is to be regularly reconciled with physical assets.

(ix) Recommend and implement new business procedures where required for efficient financial management, and provide training to PPP Division staff to enable them carrying out the tasks assigned under the institutional and management structure. Suggest improvements required if any in the internal control arrangements and the Financial Management Chapter of Operations Manual.

(x) Review the findings of the internal audit consultants and prepare a plan to address emerging issues;

(xi) Review the AG’s audit report and consolidate qualifications, prepare explanations, additional information in close collaboration with PIUs, assist the Client in the discussion with the AG in an effort to clear the qualifications,

(xii) Maintain a monitoring sheet to track pending audit observations (internal and external) to facilitate early resolution.

(xiii) Assist the PPP cell on any other tasks related to the Finance and Accounts of the Project

(xiv) Task 3: Project Performance Monitoring System

(i) Define the overall project performance monitoring indicators, monitoring and reporting process and standards to fulfil the requirements of Rajasthan PWD and world Bank World Bank Guidelines for Preparing a Design and Monitoring Framework should be followed.

(ii) Design a project performance monitoring system, including the functions of physical progress management, financial progress management, and overall portfolio management of PPP/EPC projects of Rajasthan PWD. Special considerations should be given to the nature of concession/contract models adopted by the Rajasthan PWD.

(iii) Conduct consultations with Rajasthan PWD, World Bank, and other related parties about the proposed project performance monitoring system.

(iv) Propose related IT systems appropriate for implementing the project performance monitoring system.

(v) The consultant will review the needs assessment of PWD units under RRSMP project and the same will be updated by consultant to the current need of PPP division and a training plan has to be prepared and the training shall be implemented in line with the plan.

Task 4: Safeguard Coordination and Reporting
(i) Monitor the implementation of safeguards in accordance with World Bank Safeguard Policy Statement.

(ii) Ensure implementation of Resettlement Action Plans (RAPs) in accordance with World Bank Safeguard Policy Statement and other related policies such as the Public Communications Policy (2011), and ensure payment of compensation to people affected by the project prior to hand-over of the site to the concessionaire/Contractor. Prepare the due-diligence reports on resettlement implementation as needed for processing of subsequent tranches under the Multitranche Financing Facility (MFF). Provide monthly and quarterly reports to Rajasthan PWD on resettlement implementation and provide updates on the schedule and financial aspects of resettlement to the team. Assist in the effective implementation of grievance and redress mechanism. Monitor and provide guidance to the work of the NGOs for resettlement implementation engaged by PWD and monitor the resettlement implementation at the project sites and provide training, if required, to the local PWD staff. Act as External Monitor for social safeguard in accordance to World Bank SPS and prepare semi-annual monitoring reports for World Bank.

(iii) Ensure implementation of the Environmental Management Plan (EMP) and other measures related to environmental protection in accordance with World Bank Safeguard Policy Statement. Ensure that all statutory and regulatory clearances/approvals relevant to environmental safeguards are obtained and the conditions noted in the clearances are implemented. Prepare the due-diligence reports on EMP implementation as needed for processing of subsequent loans under the Multitranche Financing Facility (MFF). Provide monthly, quarterly, and annual reports on EMP implementation and provide updates on the schedule and financial aspects to the team. Ensure all environmental assessment documentation, including environmental due diligence, and monitoring reports, are properly and systematically kept as part of the subproject-specific record and available upon request. All environmental documents will be disclosed subject to World Bank Communication Policy 2011 and World Bank. Disclose EMP to the public through the World Bank website before the approval of the respective tranche for World Bank financing. Monitor EMP implementation at the project sites and provide training, if required, to the local PWD staff. In case of unanticipated environmental impacts during project implementation stage, prepare and update the EMP to account for such impacts after seeking concurrence from World Bank. The updating shall be carried out after due consultation with the stake holders and concerned government agencies. In case during project implementation a subproject needs to be realigned, review the environmental classification and revise accordingly, and identify whether modified EMP is required. If it is required, prepare the TOR for undertaking modified EMP and provide advice on environmental consultant selection.

Task 5. Periodic Financing Request

(i) Assist the Rajasthan PWD in selecting project roads proposed for subsequent loans under the MFF, and ensure the proposed improvement and/or upgrading of project
roads in accordance with project selection criteria and process as agreed with world Bank

(ii) Assist the Rajasthan PWD in reviewing the project reports about feasibility study and preliminary design, the financial analysis for Tranche-I works, and the bidding documents to meet the requirements of State Government of Rajasthan, Government of India, and world Bank

(iii) Prepare an economic analysis for subsequent Tranches of the proposed road improvements using the highway development and management model (HDM, version 4) and/or other more appropriate models. The economic analysis should follow World Bank guidelines for the economic analysis of projects.

(iv) Ensure that relevant safeguard planning documents are prepared to World Bank standard and that they are complete, accurate, and consistent with respective assessment framework plans.

(v) Prepare the reports and documentation needed for the Rajasthan PWD to submit the subsequent PFRs to World Bank to secure funding timely for project implementation.

E. OUTPUT AND REPORTING REQUIREMENTS

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Report</th>
<th>Frequency</th>
<th>Due Date</th>
<th>No. of Copies</th>
<th>No. of CDs</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Inception Report</td>
<td>One Time</td>
<td>Within 1 month after commencement of service.</td>
<td>5</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Monthly progress report</td>
<td>Every Month</td>
<td>10th of every month</td>
<td>5</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Quarterly Progress Reports</td>
<td>Every three months</td>
<td>10th of month following the reporting quarters</td>
<td>5</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Annual Work plan and Budget (AWB)</td>
<td>Annual</td>
<td>At least 30 days before the start of a financial year.</td>
<td>5</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Quarterly Interim Unaudited Financial Reports (IUFRs)</td>
<td>Quarterly</td>
<td>Within 30 days end of quarter.</td>
<td>5</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Annual Financial Statements</td>
<td>Annual</td>
<td>Within 3 months end of the year.</td>
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<td>2</td>
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<tr>
<td></td>
<td>Statement on pending audit paras (internal and external)</td>
<td>Monthly</td>
<td>To be updated at least on a monthly basis.</td>
<td>5</td>
<td>2</td>
</tr>
<tr>
<td>Annual Reports</td>
<td>Five Times</td>
<td>1 months after commencement month every year</td>
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<tr>
<td>Project Completion Report</td>
<td>One Time</td>
<td>Before the end of Defect Liability Period</td>
<td>5</td>
<td>2</td>
<td></td>
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<tr>
<td>Manual on social and environmental safeguards</td>
<td>One Time</td>
<td>Within 12 months after commencement of service</td>
<td>5</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Road Asset Management System (RAMS) and RAMS Manual only for RSHDP-II works</td>
<td>One Time</td>
<td>Within 24 months after commencement of service</td>
<td>One set of RAMS with 5 sets of Manual</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>User Satisfaction Survey Reports</td>
<td>Three Times</td>
<td>First Year, Third Year, Fifth Year</td>
<td>5</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

1) **Inception Report**: The report will include the Consultant’s proposals of the detailed project implementation arrangements and the planned activities for different components based on the initial assessment. The report will also include the detailed work program and approach towards the assignment.

2) **Monthly progress report**: The report will include following details in consultation with Team leader of respective consultant services:
   i. Physical and Financial progress of each work and consultancy
   ii. Status of each works and consultancy (Works done against works supposed to be done along with details of actions required to meet with work plan if any with respect to work plan)
   iii. Details of RTI applications.
   iv. Details of complaints and redressing.

3) **Quarterly Reports**: The Quarterly progress report on implementation progress including achievements and problems to be resolved with following details in consultation with team leader of respective consultant
   i. Physical and financial progress of each work and consultancy services.
   ii. Status of each works and consultancy (Works done against works supposed to be done along with details of actions required to meet with work plan if any with respect to work plan).
   iii. Status of complaints and redressing.
iv. Status of RTI applications.

v. Procurement implementation Report

The quarterly reports shall be factual and concise with recommendations for the subsequent quarter.

4) **Annual Work plan and Budget (AWB):** The Consultant shall prepare and furnish an Annual Work Plan and Budget at least 30 days before the start of a financial Year. The Work Plan should contain main activities/tasks, their sequence, timing and who will have responsibility for them. A budget estimate should consist of the costs as accurately as possible for each activity set out in the work plan.

5) **Quarterly Interim Unaudited Financial Reports (IUFRs):** The consultant shall prepare and furnish Quarterly IUFRs within 30 days of end of each quarter. The Interim Unaudited Financial Reports (IUFR) shall be used for the purposes of project financial reporting and disbursements. The IUFR shall be prepared on a quarterly basis and shall primarily be based on AG (A&E) reports reporting expenditure under the project specific heads and supplemented by the contract level information provided by the divisions. The Monthly Progress Reports (MPR) being already submitted by divisions may be suitably modified to facilitate IUFR reporting.

6) **Annual Financial Statements:** The consultant shall prepare and submit Annual Financial Statement within 3 months of end of the year. The Annual financial statement is financial report based on a 12-month consecutive time period. The consultant is required to prepare statement at the end of the year report covering the complete year’s financial activity.

7) **Statement on pending audit paras (internal and external):** The consultant shall prepare and submit the Statement of Pending Audit Paras for both either Internal or External audit and the same should be updated regularly at least on monthly basis.

8) **Annual Reports:** The Consultant shall furnish to the World Bank and PWD, GoR an annual report covering all activities in the last 12 months. In addition to summarizing key facts and issues presented in the 4 quarterly reports for the reporting period, the annual report should include the Consultant’s views on the strengths and weaknesses of the project implementation arrangement and remedial actions to be taken if any.

9) **Project Completion Report:** The Consultant shall prepare a comprehensive completion report of all components of the project including civil works and consulting services. The report shall incorporate summaries of the methods of construction, the construction supervision performed, problems encountered and solutions undertaken thereon and recommendations for future projects of similar nature to be undertaken by PWD, GoR.

The Consultant shall include the self-appraisal in the report in compliance with World Bank requirements for project completion report of executing agencies, including detailed data and information gathered and recorded during the project implementation and those on PPMS indicators. For this purpose, the consultant shall conduct necessary field surveys on road conditions and traffic volumes at appropriate timings during the defect liability period.
10) **Manual on social and environmental safeguards:** The consultant shall prepare a manual to provide guidance to PWD, GoR for complying with social and environmental safeguard requirements under GOI and external financing agencies such as World Bank during project preparation and implementation. The manual will provide guidance on key steps to be taken for social and environmental assessment including preparation of Resettlement Plans (RP), Indigenous Peoples Plans (IPP), Environmental Impact Assessment (EIA) or Initial Environmental Examination (IEE) and Environmental Management Plan (EMP) during project preparation; pre-construction related activities including land acquisitions, resettlement, processing of clearances and permits and implementation and monitoring of RP, IPP and EMP.

11) **Road Asset Management System (RAMS) and RAMS Manual:** The Consultant shall develop an appropriate RAMS suitable for road inventories of RSHDP-II with the operation manual. RAMS should be based on the findings of actual needs of RSHDP-II through discussions and trainings during the assignments. RAMS and RAMS Manual shall be prepared during the first 24 months of construction works to be used for follow-up trainings of PPP, PWD officials during the consulting services. The consultant should assist PPP, PWD officials in organizing data collection, and preparing annual report of maintenance division and budget proposals using RAMS.

12) **User Satisfaction Survey Report:** Conduct User Satisfaction Surveys to obtain feedback on citizens' perception of the adequacy and efficiency of services provided under the project. The surveys will be administered three times during the life of the project: In Year one to establish baseline, In Year three (3) to feed in to the mid-term review and in the last year of the project to generate end-time data.

F. **Workshops and Training Sessions:**

1) **Seminars/Workshops:** The consultant shall conduct the semi-annual seminars/workshops on key aspects of technical capacity improvement and progress to date to PWD officials. Workshops on organization issues shall be conducted on a needs basis, inviting relevant state government officials in addition to PWD officials. Workshops on social/environmental safeguards and social inclusion shall be conducted on a needs basis.

2) **Training sessions:** The Consultant will provide on-the-job training to PWD officials on a day-to-day basis. Small class room style sessions shall be conducted monthly or quarterly as needed to supplement the daily trainings. The semi-annual seminars/workshops will present the weakness and strengths of PWD officials identified during these training sessions and the recommendations and suggestions from participants shall be used for improving the training method.

3) **Training Plan:** The consultant will review the needs assessment of PWD units under RRSMP project and the same will be updated by consultant to the current need of PPP division and a training plan has to be prepared and the training shall be implemented in line with the plan.

G. **DURATION OF THE SERVICES AND DELIVERABLES**

The PMC service will be carried out over the entire loan implementation period 60 month. The consultant shall submit the inception report not later than 4 weeks after signing the PMC contract. The Inception Report details the deployment of the personnel and the approximate time of their mobilization, which is coordinated with
the project implementation plan. The Consultant will no later than the 10th of each month, after receiving reports from the various consultant submit a combined summary report of the progress of all ongoing sub-project and consultancies, and recommendations on how to deal with problematic issues. PMC must also file quarterly progress Monitoring Report (PMR) with the Bank through PMU. The targets and approximate duration of various tasks/deliverables of PMC Consultancy are scheduled below:

All the deliverables which are to be submitted in hard copy shall be submitted in six copies and those which are to be submitted in soft copy submitted in two copies. The documentation done under this assignment shall be given in external Hard disk of capacity not less than 1 TB will be supplied by PMC. PMC shall ensure that each every submission made under this consultancy shall be copied on this external hard disk at the time of every submission.

H. Other activities related to the Project
   1. Documentation of all works done related to project prior to placement of PMC, in hard and soft copy;
   2. Papers/documentation/presentation for loan negotiation;
   3. Reports of comments for finalizing each report submitted by all the consultants engaged under the project;
   4. Reports of comments for Finalizing each document related to PPP based works submitted by the other consultant;
   5. Notes, Report, presentation and minutes of meeting and road safety related works;
   6. Minutes of meeting on monthly progress review of each work and consultancy services;
   7. Performance reports of completed works of up gradation and rehabilitation;
   8. Notes/reports required for any approval from GOR/GOI/WB;
   9. Mid-term review report,
   10. Complete documentation till the project completion or completion of the PMC assignment, whichever is earlier;
   11. Final report of project completion details of each work and consultancy services and good/equipment’s purchased under the project.

1. CONTRACT MANAGEMENT FRAMEWORK

Project Director on behalf of the Employer will take responsibility for managing the Consultant’s work and for ensuring delivery on the project. The Project Director will assign a project team to engage regularly with the Consultant for efficiently completing the various delivery items. Frequent meetings with the Consultant at the employer’s office are foreseen during the period of services. The project team will meet at least monthly and the Consultant will report progress to these meetings.
During the entire period of services, the Consultant shall interact closely with the Employer to receive input and provide information.

2. STAFFING

Staffing schedule:

1. The PMC must be a company with international experience. Foreign firms providing proposals shall be familiar with local conditions and laws, and take them into account in preparing their proposals. In case of a Joint Venture (JV), all partners shall be jointly and severally liable and shall indicate who will act as the lead partner of the joint venture in which total members of JV shall not be more than three including lead partner. The PMC experts shall have the skill and experience necessary to undertake the tasks set out in these terms of reference, each expert of the team must be personally available to do the schedule work. The key professional and skill & experience required in the PMC are:
   i. Team Leader cum Contract Specialist.
   ii. Deputy Team Leader cum Senior Highway Engineer.
   iii. Procurement Specialist
   iv. IT Expert
   v. Public sector Domain Expert cum IDAP/GAAP consultancy coordinator
   vi. Financial Management Expert
   vii. Legal expert (civil contract and Agreement)
   viii. Senior Environment Expert
   ix. Road Safety Expert
   x. Social Development Specialist

2. Requirement of man month inputs of the key Professional is indicated in the Data Sheet. The PMC is required to deliver the services from a location in close interaction with project Director and project concern senior officers of PWD. The key personnel shall be supported by adequate support staff; for example, there may be a need for more than one highway engineer. The payment will be linked with the deployment and man months of key professional in consultation with PIU also. The mobilization and demobilization of key professional whose requirement is intermittent will be allowed in consultation with PMU. All endeavours shall be made by the consultant to account for reasonably accepted variation in project activity and to complete the assignment in the quoted man months. Consultant shall accordingly decide the qualifications and deployment of the support staff. C.V. of above key professional staff only will be evaluated at the time of evaluation of technical proposal.

1. The proposed key and other personnel need to be available during loan implementation period according to the manning schedule agreed in the negotiations with the employer. The employer must approve or replacements in the PMC team key professionals.
2. PMC will have to establish its main office in PWD campus Jaipur and required space will be provided by the PPP cell.

3. HUMAN RESOURCE SUPPORT TO PMU:

- Road Safety Expert (One No.)
- Records Management Specialist (One No.)
- Land Acquisition and mutation of land specialist
- Computer Data Operators (Two No.)

All the experts must have experience of not less than 5 years in their respective fields. They have all worked on World Bank aided, or externally funded project in the same capacity for not less than 1 year. They must also have some exposure of working with State Government. Deployment of above officers would be need based and with the consent of PMU.

- The selected Consultant shall also provide two (2) data operators for deployment in the PMU office, to support PMU operations and needs there.
- One data operator shall have knowledge of Hindi language.
- Both must have basic computer operation and all Microsoft Office software knowledge.
- The PMC shall provide communication and other facilities to the above mentioned human resources (specialists and data operators) to be deployed in PMU.

Required Qualification and Experience of Key Personnel:

Duties and Qualification Experience of Key Personnel:

1. Team Leader cum Contract Specialist

Qualification and Experience:

The Team Leader cum Contract Specialist of this consultancy assignment should possess of a Post Graduate Degree, either in Civil Engineering/Highway Engineering/Traffic and Transportation Engineering or Transport Planning/ and shall have long experience in contract management project with various financing and procurement arrangement, highway engineers, understanding of the bidding and contract documents, preferably EPC and Hybrid Annuity Mode documents and overseeing (project) consultancies. A degree in Contract Management shall be preferred.

He should have at least 20 years of professional experience, out of which he should have worked as Team Leader/Project Manager or equivalent for minimum of 5 years on supervision/construction of Highway Project, involving flexible and/or rigid pavements. His experience should include international assignments, having handled highway project of preferably similar of large size and complexity in developed countries and similar projects in
developing countries, including in Asia. The candidate should have a proven record of managerial capability through directing/managing of major civil engineering works, including project of a similar magnitude and various kinds of consultancy service. He should have worked for period of about 5 years in project incorporating the PPP HAM, EPC of Contract. He shall have strong awareness of EPC and HAM while working for a period of @2years in project incorporating EPC and HAM Condition of Contracts is preferable. Knowledge of international ‘best practices’ in latest conditions of contract, construction, contract management and modern highway construction technology as well as consultancy services important. He should have previously worked as Team Leader or in similar capacity on at least two Project Management works of major road project of Two-laning/four laning/expressway costing more than 100 Cr. or at least 150 km length of the project. The candidate shall be conversant with the documents in several types of project delivery methods EPC and Annuity mode. He preferably should have at least five years of experience as Team Leader or equivalent in above said kind of projects. He should have wide experience of monitoring the PPP Projects and various kinds of consultancy services. He should have 2 year experience as a TL in PMC/ WMC of ADB World Bank funded works.

2. Deputy Team Leader cum Senior Highway Engineer

Qualification and Experience:

The Deputy Team Leader of this consultancy assignment should posses a post Graduate Degree, either in civil Engineer/ Highway Engineer/Construction Management of civil Engineering Graduate with MBA, Preferably HR, and institutional development related qualification shall carry more weight age. He shall have long experience in management of Road project with various financing and procurement arrangements, supervision of highway contracts, understanding of the bidding and contract documents, HAM/EPC documents and overseeing (Project) consultancies. He shall have good enough experience of institutional development and HR development.

He shall have 12 years of professional experience. He should have 7 years ‘experience either as site project manager/ in design of similar highway project/ in design and project management for contracts of similar size and complexity as of the proposed contract. He shall have at least 3 years of experience of similar kind of assignment. He shall have at least three years of experience in complex project planning and shall have knowledge of least project planning software. The person must have experience in designing appropriate cost - effective pavements making best use of locally available materials. He shall have knowledge and experience to carry out the design approval of EPC mode and or PPP type contracts. He shall have detailed knowledge of various kinds of bid documents and its evaluation, contract negotiation and contract agreement.

He should have adequate experience in using project management tools such as MS-Project of Primavera in preparing catch up works program, resources Scheduling and critical path
assessments and also in evaluation of EOT claims from the Contractor. Knowledge of FIDIC conditions of contract is desirable.

3. Procurement Specialist

Qualification and Experience:

He shall be at least a civil engineer having post graduation in Management/Procurement or MBA with Finance/Project Management. He shall have minimum 15 years of relevant professional experience. He should possess a degree in Civil Engineering or Management with at least 10 years of experience in Procurement and Contract Management out of which he should have at least 7 years international experience in procurement and Contract Management. The candidate shall be conversant with the prevailing guidelines of World Bank for the procurement of Consultant, works and goods. He shall have knowledge and experience of FIDIC document. The candidate should also have experience in drafting and negotiating agreements with different kinds of service delivery methods. Experience in PPP contracts in the last 5 years would be an advantage. He shall have knowledge and experience of management of various types of contracts like item rate, OPRC and PPP type contracts. He shall have detailed knowledge of preparation of EOI, RFP, BID document, Contract agreement of various kinds of contract and its bid evaluation, negotiation and contract agreement.

4. Public sector (India) “Domain Expert”- IDAP/GAAP coordinator

Qualification and Experience:

He shall have Graduate qualification in a field of Engineering or management/Administration, with minimum 10 years of professional experience;
He shall have significant senior-level experience in agency management, development, public relations/communications and leadership functions in India’s public sector context, desirably at state level;
He shall have proven capacity for high-level oversight, coordination and facilitation of complex strategies/programs
He shall have proven capacity for high-level oversight, coordination and facilitation of complex strategies/programs
He shall have significant experience in the implementation of public sector institutional strengthening, capacity-building and/or reform programs; and
He shall have effective oral and written communication, briefing and reporting skill; and sound inter-personal, liaison, presentational and teamwork skills.

5. Financial Experts

Qualification and Experience:

He shall possess a post graduate qualifications as MBA (Finance)/Masters in Economics-Finance/Masters in Transport Planning/Economics or higher qualifications in economics/finance.
He must have a minimum of 10 Years of Experience, including at least 3 years in international-standard roles/responsibilities shall be preferred, and at least 5 years in the financial analysis in similar field. He shall be conversant on infrastructure project finance and able to carry out financial modelling and analysis. He shall have sound previous experience in performing financial analysis and planning functions and activities in India’s public sector, preferably in relation to large-scale infrastructure investment and/or infrastructure asset management financing matters.

6. **Financial Management Consultant**

Qualification and Experience:

Chartered accountant having at least 5 years or post qualification experience. Specific experience of at least 3 years in similar externally aided project. The expert is expected to assist the PPP Division in project financial management arrangements covering topics such as planning, budgeting, accounting, funds flow, reporting, internal audit and external audit.

7. **Legal experts (Civil Contract and Consultancy Agreement)**

Graduate qualification in Law, preferably with additional specialization in Corporate Law and Legislative drafting. He must have minimum of 10 Years of experience in practicing law. The candidate shall be conversant with the Indian and international documents for PPP projects. The candidate shall have experience in drafting and negotiating of PPP agreements from legal aspect. He should have served as legal expert in Transaction Advisory services for a minimum of 3 PPP projects in the road sector.

He shall have Extensive experience as legal professional and practitioner in public, administrative and/or contract law. Sound knowledge and experience of India’s legal framework, processes practices as these relate to public legislation, statutes, Rules and/or Orders affecting the operations of public sector entities. He shall have proven skills at drafting of legal and statutory documents and preparation of related Submissions and/or announcements. **Senior Environment Engineer:**

**Qualification and Experience:**

The candidate shall be a post graduate with specialization in Environmental Engineering/Environmental Planning/ environmental sciences. The candidate shall have at least 10 years of relevant professional experience. Experience in implementation of EMP in externally aided based major highway projects is essential. He should have about 6 years of work experience related to environmental issues. He should have adequate experience in implementing EMPs and organizing training to Contractor’s and Employer’s staff. He should be familiar with requisite procedures involved in obtaining Environmental & Forest clearances for project roads passing through protected forest, reserve forests, national parks or sanctuaries, CRZ etc. He should be familiar with the best practices adopted in the environment management in the

24
developing countries. He should have also thorough knowledge about green highway construction.

8. Road Safety Specialist

Qualification and Experience:

The candidate will be at least a Graduate in civil engineering with post-graduation specialization in Highway Engineering/Transportation Engineering/Planning and additional specialist training and qualifications directly relevant to engineering aspects of traffic and transport safety in road design / construction / management. He shall have at least 10 years of relevant professional experience, including at least 5 years directly in the Road Safety field. He shall have extensive international-standard experience and skills in road planning, design, construction and management, with current specialization in all the road and traffic safety engineering aspects of works project planning / design / implementation. He shall have significant experience in execution of Road Infrastructure Safety ‘audits’ and in preparing Road Safety Audit-based engineering mitigation measures. He shall have sound knowledge of contemporary road safety engineering ‘best practice’ and be soundly familiar with (i) current policies, standards and/or guidelines relating to road design and construction in India (ii) current ‘safe road & traffic engineering’ concepts and approaches demonstrated elsewhere that may be brought into application in Rajasthan state, (iii) road accident data management system, (iv) road-crash (accident) data analysis and crash investigation and (v) road safety performance survey (iRAP survey). The candidate must have proven skills at staff capacity building and training in this field; and have completed at least one major similar assignment in a comparable ‘developing country’ context.

9. Social Development / R&R Expert

Qualification and Experience:

The candidate shall have Masters Degree or equivalent qualification in Social Sciences (sociology / social work / economics / geography / planning / public administration and management) with at least 10 years total professional experience, out of which, 5 years’ experience shall be in working as social / resettlement expert for major Civil Engineering Project including Highway Project. The experience of working as Social Expert for Major Highway Project is desirable. The knowledge of World Bank’s prevailing guidelines and/or policies related to R&R is essential. Experience in legal analysis data, participatory consultation is essential. He should have through knowledge of prevailing land acquisition Act, states jantri values as well as current draft land Acquisition and Resettlement Act as well as state’s R&R policy etc. He should have thorough knowledge of complete procedure of private and Government land acquisition up to the award stage. The candidate shall have experience in preparation / implementation of HIV/AIDS prevention plan. The candidate should have experience in analysing and addressing gender issues.
10. IT Expert

Qualification and Experience:

He shall be a B.Tech/B.E. graduate with specialization in Computer Science, Information Technology, Information Systems, Electronics/Electronics & Communications or the equivalent. He shall be fully knowledgeable in current IT hardware and software matters as well as ICT communications / connectivity matters, particularly as relevant to technical and business information management requirements in the public sector context in India. He shall have extensive professional experience (at least 10 years) and adequate professional skill in the implementation, operation and management of IT and ICT assets and facilities and in the facilitation of IT-based activity monitoring systems for program management purposes, preferably in public sector contexts. He shall have skill and experience in framing the necessary policies, operating rules and processes for the administration, security and performance monitoring of the IT-ICT resources of a major organization having widely-dispersed operations and user-groups. He shall have completed at least 2 major similar projects related to IT-ICT-MIS integration in India’s public sector.

10. DATA, SERVICES, AND FACILITIES TO BE PROVIDED BY THE EMPLOYER

The following and any other such data, available with the Employer shall be provided to the PMC: models of past RFQ, RFP, a Concession Agreement and Schedules prepared by a Consultant of the employer

The Consultant will be responsible for making his own arrangements for all his accommodation. The Consultant should also make his own arrangements for office furniture, equipment, stationeries, photocopiers, communication facilities like telephones, web connections, facsimiles, etc. including maintenance thereof and vehicles for transportation of office staff, etc. (including operation, maintenance, insurances and repairs thereof).

Following are procurement arrangements applicable for Project:

(1) Procurement under the project will be carried out in accordance with World Bank Procurement regulations for IPF Borrowers July, 2016 and revised in Nov 2017.

(2) Procurement to be carried out as per the agreed Procurement Plan entered through STEP.

(3) The SPD for Goods and works for National and International Bidding and SRFP for Consultancy shall be used.

(4) The review thresholds are defined in the Procurement Plan and all activities which are not prior reviewed are eligible to be post reviewed.

(5) For day to day procurement management, use the Operation Manual: Procurement section; The revision of operation manual subject to approval of the Bank

Result Indicators of the RSHDP are as follows
(i) Lay a foundation for more effective and sustainable management of Rajasthan’s state highways;
(ii) Improve traffic flows on selected state highways in Rajasthan;
(iii) Formation and establishment of functional Rajasthan State Highways Authority
(iv) Highway Improvements
(v) Strengthening of PWD’s PPP Division
(vi) Road Safety

APPENDIX-A

MAP SHOWING ROAD IMPROVEMENT WORKS UNDER RSHDP-II
Appendix -B Details To Be Provided By The Client:

The client will provide relevant details to the selected consultant at no cost

1. Detailed project reports including various volumes like Data, Cost estimates of up gradation and rehabilitation works along with Design, Drainage design report, Safety audit report, Technical specification, Rate analysis, BOQ specification, Materials Reports, Drawings, EMAP, RAP, TDP, HIV AIDS prevention plan etc.,

2. ICB and NCB documents

3. TOR of CSC

4. Copy of civil works contracts agreement with the contractor

5. Copies of Project clearances
Appendix-C: Details of the Project Highways

Name of Project: Rajasthan State Highways Development Program II (P157141)

Reference No. as per Procurement Plan: P157141

Assignment Title: Consultancy Services as Project Management consultant for development and up gradation of 11 Nos state highways of length 765 Kms

The Government of Rajasthan through Government of India has applied for financing from the World Bank (WB) toward the cost of Rajasthan State Highway Development Program-II. Part of this financing will be used for eligible payments under the development and up-gradation for following Projects is as follows:

<table>
<thead>
<tr>
<th>Ref No.</th>
<th>Description</th>
<th>Estimated Cost</th>
<th>Duration of assignment in months</th>
<th>Bank Oversight (Prior/Post)</th>
<th>Selection Methods</th>
<th>Market Approach Options/Contract type</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>WB/RSHDP II/EPC/01</td>
<td>Banar-Bhopalgarh-Kuchera Highway</td>
<td>36.98/2,403.5</td>
<td>15</td>
<td>Prior</td>
<td>RFB</td>
<td>Open National (Single Stage Single Envelope)</td>
<td>Agreement signed on 17.05.2018. LOA issued amounting to Rs. 207.11 cr on 19.04.2018</td>
</tr>
<tr>
<td>WB/RSHDP II/EPC/02</td>
<td>Bhawi-Pipar-Khimsar Highway</td>
<td>16.31/1,060</td>
<td>15</td>
<td>Prior</td>
<td>RFB</td>
<td>Open–National (Single Stage Single Envelope)</td>
<td>Agreement signed on 17.05.2018. LOA issued amounting to Rs. 85.41 cr on 19.04.2018</td>
</tr>
<tr>
<td>WB/RSHDP II/EPC/03</td>
<td>Jodhpur-Marwar-Junction-Jojawar-Highway</td>
<td>51.03/3317.0</td>
<td>24</td>
<td>Prior</td>
<td>RFB</td>
<td>Open International (Single Stage Single Envelope)</td>
<td>Agreement signed on 28.06.2018. LOA issued amounting to Rs. 304.11 cr on 29.04.2018</td>
</tr>
<tr>
<td>Ref No.</td>
<td>Description</td>
<td>Estimated Cost US$ million</td>
<td>INR million</td>
<td>Duration of assignment in months</td>
<td>Bank Oversight (Prior/Post)</td>
<td>Selection Method</td>
<td>Market Approach Options/Contract type</td>
</tr>
<tr>
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<td>--------------------------------------</td>
</tr>
<tr>
<td>WB/RSHDP II/EPC/04</td>
<td>(1) Khood- Dataramgarh-Renwal Highway</td>
<td>37.96</td>
<td>2,467.5</td>
<td>18</td>
<td>Prior</td>
<td>RFB</td>
<td>Open -National (Single Stage Single Envelope)</td>
</tr>
<tr>
<td></td>
<td>(2) Manglana- Makrana-Borawad Highway including Makrana-Bidiyad- Parbatsar Highway</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>(3) Hurda-Banera Highway</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>(WB/1/Annuity /01)</td>
<td>Sriganganagar - Bikaner (Padampur-Raisinghnagar &amp; Sattasar-Bikaner Section)</td>
<td>19.55</td>
<td>1,270.7</td>
<td>18</td>
<td>Prior</td>
<td>RFB</td>
<td>Open -National (Single Stage two Envelope)</td>
</tr>
<tr>
<td>(WB/1/Annuity /02)</td>
<td>(1)Jhunjhunu–Rajgarh</td>
<td>26.52</td>
<td>1,723.5</td>
<td>18</td>
<td>Prior</td>
<td>RFB</td>
<td>Open -National (Single Stage two Envelope)</td>
</tr>
<tr>
<td></td>
<td>(2)Neemkathana-Khetri-Singhana</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>(WB/1/Annuity /03)</td>
<td>Kishangarh- Arain-Malpura</td>
<td>15.38</td>
<td>999.8</td>
<td>18</td>
<td>Prior</td>
<td>RFB</td>
<td>Open -National (Single Stage two Envelope)</td>
</tr>
<tr>
<td>(WB/1/Annuity /04)</td>
<td>Bhinmal - Raniwara section of RamseenBhinmal-Raniwara</td>
<td>23.16</td>
<td>1,505.1</td>
<td>18</td>
<td>Prior</td>
<td>RFB</td>
<td>Open -National (Single Stage two Envelope)</td>
</tr>
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<tr>
<td><strong>G.Total</strong></td>
<td></td>
<td></td>
<td><strong>14,747.1</strong></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>
Annex-III

Name of works applied for:-

1. Year of establishment of firm *

<table>
<thead>
<tr>
<th>Consultant</th>
<th>Year of Establishment</th>
<th>Country</th>
<th>Type of Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Individual / Lead Partner (of JV)/ Minor Partner of JV/Associate.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NOTE: - Year of Establishment of Lead Partner of JV shall be considered.

*Copy of Certificate of incorporation shall be submitted.

2. Office/Business Address/Telephone nos./Cable Address.

3. Narrative description of firm (Not more than 2 sheets)

4. Name of two (2) principals who may be contacted with title and telephone number/fax number/e-mail.

5. Financial Statement of the last five years.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>i.</td>
<td>Annual turnover from Consulting business</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ii.</td>
<td>Total Assets</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>iii.</td>
<td>Current Assets</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>


6. Experience as Project Management Consultant of Highway projects, separately for PPP and non-PPP Projects during the last 7 years. ***

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Projects Name/Year</th>
<th>Sole Consultant/Lead Partner of JV/JV Partner/ as associate Consultant</th>
<th>Type of Services rendered</th>
<th>Descriptio n of Highway Project / Length (kms)</th>
<th>Client (with Complete address, contact person, telephone Nos. and Fax Nos.)</th>
<th>Total Fee for the Consultanc y Assignmen t (INR)</th>
<th>Fee received by Applicant ( in case of JV/ Association)</th>
<th>% age of total fee received by the firm</th>
<th>Approx. Cost of Highway Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
</tr>
</tbody>
</table>
A. Completed/ Substantially completed projects:

1.
2.
3.

B. Project in progress:

1.

7. **Experience as Independent Engineer/ Authority Engineer** Highway Projects separately for the PPP and non-PPP projects during the last 7 years.***

<table>
<thead>
<tr>
<th>S.NO</th>
<th>Projects Name/Year</th>
<th>Type of Services rendered</th>
<th>Length of Project (kms)</th>
<th>Client (with Complete address, contact person, telephone Nos. and Fax Nos.)</th>
<th>Total Fee for the Consultancy Assignment (INR)</th>
<th>Fee received by Applicant (in case of JV/Association)</th>
<th>% age of total fee received by the firm</th>
<th>Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
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</tr>
</tbody>
</table>

A. Completed/ Substantially completed projects:

1. 
2. 
3. 

B. Project in progress:

1.

***a) 2/4/6 lane work as applicable for the project for which RFP is invited. For 2- lane projects experience of 4/6 lane also to be considered with a multiplication factor of 1.5. Experience of 2 lane will be considered for 4/6 laning projects with a multiplication factor of 0.75. For standalone bridge projects, experience in bridge work (either standalone project or as a part of road project) only be considered. Only those projects, to be included in the table which are Highways Projects and for which client’s certificates from the concerned Government agencies are enclosed.

b) The details of bridges having length more than 200m (500m in case the project consist of bridges of length more than 500m) in the listed projects is to be specifically mentioned.

d) The weightage given for experience of a firm would depend on the role of the firm in the respective assignments. The firm’s experience would get full credit if it was the sole firm in the respective assignment. If the applicant firm has completed projects as JV with some other firms, weightage shall be given as per the JV share***. However if the applicant firm has executed the project as associate with some other firms, 25% weightage shall be given to the applicant firm for the projects completed
For weightage of experience in any past Consultancy assignment, experience certificate from the client shall be submitted. In absence of clear demarcation of JV share in client certificate, the weightage will be treated as 60% for lead partner and 40% for minor partner. Annual turnover duly certified by Chartered Accountant shall be accepted. In case of non-availability of such documents no weightage of turnover/experience will be considered.

8. Assignments on hand including those for which the Letter of Acceptance from the clients received as on 7 days prior to due date for submission of RFOI: The details shall be given in the following format:

<table>
<thead>
<tr>
<th>S. No</th>
<th>Name of Client</th>
<th>Other (in JV)</th>
<th>Date of Assignment</th>
<th>Date of Letter of Acceptance</th>
<th>Date of Agreement signed</th>
<th>Present Status of Agreement</th>
<th>Team Members provided by the consultant (on the dotted line)</th>
<th>Name of Consultant (on the dotted line)</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)</td>
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<td>(10)</td>
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</tbody>
</table>
Short listing Criteria

(A) Eligibility criteria for sole applicant firm.

<table>
<thead>
<tr>
<th>S. No</th>
<th>Project management Consultancy</th>
<th>Project Supervision, monitoring / IC</th>
<th>Annual Turnover***</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>The firm should have minimum experience as Project Management Consultant of Road projects of aggregate length equal to or more for which REOI is invited.</td>
<td>The firm should have minimum experience of Project Supervision as Independent Engineer/ Authority Engineer/ Supervision Consultant of Road project of aggregate length equal to 2 times or more for which REOI is invited.</td>
<td>Annual turnover (updated average of last 3 years) of the firm from consultancy business should be equal to or more than 2% of Indicative Cost of Construction.</td>
</tr>
</tbody>
</table>

(B) Eligibility Criteria for partners in case of JV (not more than 1 JV partners shall be allowed) shall be as under:

The lead partner must fulfill at least 50% of requirements at 1(a) of table in para (A) above and other JV partner should fulfill at least 30% of eligibility criteria as indicated at 1(a) of table in para (A) above. Also the lead partner and JV partner jointly should meet the eligibility criteria as mentioned at 1(a) of table in para (A) above. Lead partner should meet the criteria 1 (b) of table in para (A) above.

Note: The weightage given for experience of a firm would depend on the role of the firm in the respective assignments. The firm’s experience would get full credit if it was the sole firm in the respective assignment. If the applicant firm has completed projects as JV with some other firms, weightage shall be given as per the JV share***. However if the applicant firm has executed the project as associate with some other firms, 25% weightage shall be given to the applicant firm for the projects completed under such association.
For weightage of experience in any past Consultancy assignment, experience certificate from the client shall be submitted. In absence of clear demarcation of JV share in client certificate, the weightage will be treated as 60% for lead partner and 40% for minor partner. Annual turnover duly certified by Chartered Accountant shall be accepted. In case of non-availability of such documents no weightage of turnover/experience will be considered.

Following enhancement factor will be used for the cost of services provided and for the turnover from consultancy business to a common base value for works completed in India:

<table>
<thead>
<tr>
<th>Year of completion of services / turnover</th>
<th>Enhancement factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Financial year in which RFP invited</td>
<td>1.00</td>
</tr>
<tr>
<td>One year prior to RFP</td>
<td>1.10</td>
</tr>
<tr>
<td>Two year prior to RFP</td>
<td>1.21</td>
</tr>
<tr>
<td>Three year prior to RFP</td>
<td>1.33</td>
</tr>
</tbody>
</table>

Applicant should indicate actual figures of costs and amount for the works executed by them without accounting for the above mentioned factors.

In case the financial figures and values of services provided are in foreign currency, the above enhancement factors will not be applied. Instead, current market exchange rate (State Bank of India BC Selling rate as on last date of submission of the bid) will be applied for the purpose of conversion of amount in foreign currency into Indian Rupees.

Key Experts will not be evaluated at the short listing stage.