Expression of Interest (EOI)

For

Railway Project Management Information System

For

WEST CENTRAL RAILWAY

CONSTRUCTION ORGANISATION

MINISTRY OF RAILWAY

1.0 <u>EXPRESSION OF INTEREST</u>

West Central Railway (WCR) is one of the many zones of Indian Railways headquartered in Jabalpur, Madhya Pradesh. Construction Department of the zone undertakes the responsibility of constructing new tracks or multitracking, upgrading the various routes in zone.

West Central Railway, Construction Organisation is inviting Expression of Interest (EOI) from Indian consulting agencies for the development and management of Project Management Information System (PMIS) software/application for managing multiple railway track projects in West Central Railway, Construction Organisation. The EOI Document containing the detailed scope of work, terms & conditions and application form can be downloaded from https://wcr.indianrailways.gov.in .

Further details, if any, may be obtained from Dy. CE/C/HQ, Office of the Chief Administrative Officer (Const.), IInd floor, WCR Headquarters, Jabalpur- (M.P.)-482001.

Disclaimer: This EOI is not an agreement and is neither an offer nor invitation by the Authority to the prospective applicants or any other person. The purpose of this EOI is to provide interested parties with information that may be useful to them in the formulation of their applications pursuant to this EOI. The Authority may, in its absolute discretion but without being under any obligation to do so, update, amend or supplement the information, assessment or assumptions contained in this EOI.

2. <u>LETTER OF INVITATION</u>

West Central Railway, Construction Organisation,

Office of the Chief Administrative Officer (Const.),

IInd floor, WCR Headquarters, Jabalpur- (M.P.)-482001.

Notice No.- HQ Cons (EOI)/1/2024 O/o – CAO/C/WCR   Dated: 24.12.24

Dear Sir/Madam,

West Central Railway, Construction Organisation is inviting Expression of Interest (EOI) from Indian consulting agencies for undertaking the development and management of Project Management Information System (PMIS) software for managing multiple railway track projects in West Central Railway, Construction Organisation. The EOI Document containing the detailed scope of work, terms & conditions and application form can be downloaded from https://wcr.indianrailways.gov.in .

You may submit your responses in sealed envelopes in prescribed format to the undersigned latest by 15.01.25.

Office Dy. CE/C/HQ,

Office of the Chief Administrative Officer (Const.),

IInd floor, WCR Headquarters, Jabalpur- (M.P.)-482001.

Queries if any may be referred in writing to the **Dy. CE/C/HQ**, **Jabalpur**, at the above-mentioned address or Telephone No. 9752415353 or at E-mail: www.dycec.wcr@gmail.com.

S. No.	Critical Dates	Date	Time
1.	EOI Publishing Date	24.12.24	11:30 AM
2.	Document Download Start Date	24.12.24	11:30 AM
3.	Document Download End Date	15.01.25	17.00 PM

Yours faithfully,

Encl.: EOI Document.   **Dy. CE/C/HQ**

For & on behalf of President of India

3.0 Background:

The West Central Railway with its headquarters at Jabalpur comprises of **Jabalpur** and **Bhopal** divisions of erstwhile Central Railway and **Kota** division of erstwhile Western Railway. The formal gazette notification announcing the formation of this new zonal railway was issued on 4th July 2002 by the Ministry of Railway, Govt. of India.

Construction Organization comprising of Engineering, Electrical, S&T and Finance department is working under administrative control of CAO/C/WCR. Initially, there was no post of CAO/C/WCR and PCE/WCR was looking after the charge of Construction Organization since formation of WCR zone from 01.04.2003 to 01.03.2016. The posting of first CAO/C/WCR was done w.e.f. 02.03.2016.

The important ongoing Construction projects (beside ROBs, PH-42, PH-16 & other works) being executed by WCR Construction Organization are Bina-Katni 3rd Line (265 Km), new lines on Lalitpur-Khajuraho-Panna-Satna Sec. (283 Km.), Rewa-Sidhi-Singrauli Sec. (165 Km.) & Ramganjmandi-Bhopal Sec. (262 Km.); Sheopurkalan-Kota NL project as extension of Gwalior-Sheopurkalan Guage conversion Project, Satna-Rewa Doubling Project (50 Km).

4.0 Aims & Objectives:

The objective of this document is to seek professional expertise for development of software/application for monitoring the progress of various projects through Railway Project Management Information System.

5.0 EOI Processing Fees: - Nil

6.0 Venue & Deadline for submission of proposal

Proposal, in its complete form in all respects as specified in the EOI, must be submitted to **Office of Dy. CE/C/HQ** at the address specified herein earlier.

7.0 TERMS OF REFERENCE

The detailed terms of reference are enclosed at Annexure-I.

8.0 INSTRUCTIONS TO CONSULTANTS

8.1 The Expression of Interest is to be submitted in the manner prescribed below: -

All information as detailed below is to be submitted in one hard copy in separately sealed envelopes and one soft copy in pen drive: -

   a) Applicant's Expression of Interest as per Format-1.
   b) Organizational Contact Details as per Format-2.
   c) Experience in Related Fields as per Format-3.
   d) Declaration as per Format-4.
   e) Technical proposals outlining proposed solution for Railway projects, implementation approach, details of technical platforms and systems, timelines for project delivery and approach for long-term support and approximate cost as under-
      (i) Design and installation of proposed PMIS software
      (ii) Monthly maintenance and updating charges

8.2 EOI Documents have been hosted on the website https://wcr.indianrailways.gov.in and may be downloaded from the website.

The bidders are expected to examine all instructions, forms, terms and other details in the EOI document carefully.

9.0 Last date of submission of EOI: The last date of submission of EOI is 15.01.25 (17:00 hrs).

10.0 FORMATS FOR SUBMISSION:

FORMAT – 1

APPLICANT'S EXPRESSION OF INTEREST

To,

Dy. CE/C/HQ,

Office of the Chief Administrative Officer (Const.),

IInd floor, WCR Headquarters, Jabalpur- (M.P.)-482001.

Sub: Submission of Expression of Interest for undertaking development of software/application for Railway Project Management Information System for West Central Railway, Construction Organisation.

Dear

In response to the Invitation for Expressions of Interest (EOI) published on …………….. for the above purpose, we would like to express interest to carry out the above proposed task. As instructed, we attach 1 sets of the following documents in separately sealed envelopes and one soft copy:

1. Organizational Details (Format-2)

2. Experience in related fields (Format-3)

3. Financial strength of the organization (Format-4)

4. Declaration (Format-5)

5. Technical proposals outlining proposed solution for Railway projects, implementation approach, details of technical platforms and systems, timelines for project delivery and approach for long-term support.

Sincerely Yours,

Signature of the applicant

[Full name of applicant]

Stamp........................

Date:

Encl.: As above.

Note: This is to be furnished on the letter head of the organization.

FORMAT – 2

S. No	Organizational Contact Details	
1.	Name of Organization	
2.	Main areas of business	
3.	Type of Organization Firm/ Company/ partnershipfirm registered under the Indian Companies Act, 1956/ the partnership Act, 1932	
4.	Whether the firm has been blacklisted by any Central Govt. / State Govt./PSU/ Govt. Bodies / Autonomous?If yes, details thereof.	
5.	Address of registered office with telephone no. & fax	

6.	Address of offices in
	    i) National Capital Region of Delhi
	    ii) All other State/UT's	

7.	Contact Person with telephone no. & e-mail ID	

Enclose: -

1. Copy of Certificate of Incorporation.
2. Copy of Article of Association in respect of 3 above.
3. Undertaking in respect of 4 above.

Signature of the applicant

Full name of the applicant

Stamp & Date

Experience in Related Fields				
Overview of the past experience of the Organization in all aspects related to field				
S. No	Items	Number of Assignments during last 5 years	Order Value of each assignment in Lakhs of Rs. (Enclose copy of each order)	Mention the name of Client/ Organization (Enclosed completion certificates)	
1	Experience of Assignments of similar nature				
1.1	Experience in carrying out similarassignment in Government				
1.2	Experience incarrying out Similar assignments in public sector.				
	Decision of Evaluating Committee in ascertaining "similar nature" and "similarassignment" will be final. Signature of the applicantFull name of applicant Stamp & Date				

FORMAT – 4

Financial Strength of the Organization					
S. No	Financial Year	Whether profitable Yes/NO	Annual net profit (in Crores of Rs.)	Overall annual turnover (in Crores of Rs.)	Annual turnover from only Consultancy services rendered in India (in Crores of Rs.)
1	2021-22				
2	2022-23				
3	2023-24				
Note: Please enclose auditor's certificate in support of your claim.					

Signature of the applicant
Full name of applicant

Stamp & Date

FORMAT -5

Declaration
We hereby confirm that we are interested in competing for the Consultancy Services to undertake the task related to undertaking development of software/application for Railway Project Management Information System for West Central Railway, Construction Organisation.
All the information provided herewith is genuine and accurate.
Authorized Person's Signature.
Name and Designation:
Date of Signature:
Note: The declaration is to be furnished on the letter head of the organization.

Terms of Reference

Scope of Work: -

The vendor will be responsible for-

a) Providing a Project Management Software for Railway Projects, that is customizable to WCR needs.

b) Ensuring compatibility with existing systems used by Indian Railways.

c) Providing implementation and training support services to Railway personnel, Contractors and PMS/PSSA/PMC personnel for projects and long-term functional support to new users and projects.

d) Offering ongoing technical & functional enhancement support and software updates for long term.

The system shall have the following modules / functionalities / process capabilities:

1. **Work Inspection & Quality Assurance:** Facility for raising electronic inspection by the Contractor for each work/supply item (under Earthwork, Permanent Way, Structures such as Bridges and Culverts, Station/Platform/Yard, OHE, S&T, and General works). The request shall be sent to the Engineer / Authority for review and approval along with quality forms, test certificates and photographs. Quality forms shall be provided for each major inspection activity, as per WCR standards. Non-conformity (E.g. Quality and Safety issues) shall also be tracked and closed along with work inspection. Material inspection certificates shall also be generated for the supply items.

2. **Document Control & Drawing Management (DMS):** The DMS shall have files storage (documents, correspondences, drawings) with revision details and workflow (submission, review, and approval) and have facility to capture comments and response to comments. Drawing register list with target and actual submission and approval dates shall be maintained.

3. **Daily Progress reporting (DPR):** Facility to capture Daily progress with the following details. DPR shall be captured by section with location/chainage details for major items of work under a WBS. For smaller projects, DPR module shall be primarily used with cumulative progress for identified items. Forecast progress calculations shall be provided as reports for Critical and important tasks with expected run rate to achieve the target date and expected completion data at the current run rate. requirement vis-a mobilisation, labour, material and machinery and other resource utilization shall be captured for each major workgroup & by section, for major and critical items, as directed. Productivity trend calculations and forecasting resource requirements shall be done for critical items of work, as directed. The system shall also have the facility to capture monthly rolling planned progress and compare with actuals, at the project and section levels. The system shall have a facility to capture daily work plan with section/location details along with photographs, used in projects and displayed in the GIS Map, as directed by the Authority. Billing details with planned cashflow (forecast revised periodically), actual bill details shall be captured for S Curve generation.

4. **Other forms:** Land acquisition tracking, Query log and Safety register forms shall be provided as directed.

5. **Exception Reporting:** The system shall have facilities as follows: All pending documents, delayed drawing submissions and approvals, delayed tasks, non-conformities and key project issues shall be linked to the work breakdown Structure and tracked to closure. The exception report shall be auto generated based on the dependencies set for the project requirement.

6. **Dashboards & Reports:** All the relevant data shall be made available as reports. Project wise about 20 reports and 15 dashboard chart elements shall be made available covering all aspects of the data captured in PMIS. Linear strip chart and GIS (Google Map or equivalent) based chart shall be generated for depicting summary linear progress.

Project Portfolio dashboards and reports shall provide reports across projects and grouped based on various organizational hierarchies, disciplines and nature of projects.

7. **Other features:** Suitable workflow, role-based access control with viewing, creating, and editing rights shall be provided.

8. PMIS shall be provided for an initial duration of three (3) years and extendable with mutually agreed escalation.

9. The PMIS system shall be accessible from web and field data entry shall be enabled via mobile apps for Android. PMIS shall be capable of use in multiple Railway track projects of WCR.

10. PMIS shall be made available for 150 users from WCR Railway and 5 users of the solution provider's support team. Additionally, 200 user light weight collaborator access shall be provided for external collaborators like Contractors and Consultants, who would use it for data entry, review and use essential reports. The system availability shall be 98% during working hours. Unit rate shall be quoted for additional licenses.

11. PMIS shall be hosted on a modern scalable cloud application platform in India with a Disaster Recovery facility, with 99% availability during working hours. PMIS shall have provision for handling up to One Crore records with 2 TB file storage and an additional standalone storage of 3 TB for hosting large files and backups.

12. PMIS shall be installed within 60 days of order. Configuration in one project and user training shall be done on the project site and substantially completed within 120 days, excluding further customization.

13. The agency shall have a dedicated MIS coordinator with full knowledge of the PPMIS for providing functional support to the Authorities and for implementing PMIS in smaller projects, train and support users.

14. Remote Technical support services shall be for the entire duration of operations to ensure system availability and carry out minor modifications. Additional teams shall be mobilized for major enhancements and new modules, as and when directed and resource price shall be quoted for the same.

15. Unit price shall be quoted for implementing and supporting for various projects of WCR.

16. **List of reports** (Partial List)
    - Document Summary Report
    - Individual Document Report
    - Document Revision History Report
    - Comment and Resolution Sheet
    - Individual Inspection Report
    - Individual Test Reports (10 nos)
    - Work inspection Summary Report
    - Billing Summary Report
    - Daily Progress Report/ Weekly Progress Report/ Monthly Progress Report
    - Labour utilization report
    - Plant & Machinery utilization report

17. **Project Portfolio Dashboard (PPS)**:
    1. Project Portfolio Dashboards shall be made available only for WCR staff members.
    2. All projects' data shall be rolled up across projects and grouped based on hierarchy, discipline and nature of project.
    3. Simple progress entry for smaller projects (to be directly entered by Railway staff), without elaborate PMIS modules
    4. Portfolio dashboards and reports shall provide reports across projects and grouped based on various organizational hierarchies, disciplines and nature of projects.

18. **System specifications**
    1. **Access Control:** PMIS shall have role-based access control with suitable viewing, creating, editing and approval rights.
    2. **Licensing:** As per the commercial proposal.
    3. **Backup & Data retention:** Daily data & monthly backup shall be in cloud storage and retained up to currency of project as per WCR needs.
    4. **Interface with other systems:** PMIS shall be capable of interfacing and exchanging essential data with other systems like GIS, Scheduling software (Primavera, MS Project, Tilos).

19. **Implementation and Managed Services**
    1. **Duration**: The PMIS system shall be installed with essential configuration in a month and substantial implementation shall be completed within four months of the contractual commencement date. Project masters shall be configured as drawings and details are available.
    2. **Project Archival:** This shall be done by the PMIS maintenance team, when advised by the Client.

20. Shall Implement the DPR module for small projects, for Project Portfolio reporting shall be done by PMIS coordinator, together with the respective Project Engineers.
21. Regular field data feeding shall be done by the Consultant nominee / Contractor side/railway representative, based on the training given.
22. Unit price shall be quoted for services covering implementation, configuring GIS and supporting Contractor and Consultant at project level, for the projects nominated by the Zonal Railway.