



Expression of Interest (EOI)

For

Design, Development, Implementation, Maintenance and Support of AI (Artificial Intelligence) Based Comprehensive Decision support Smart Court for Jharkhand High Court.

Jharkhand Agency for Promotion of Information Technology

(JAPIT)

**Ground Floor, Engineers hostel 1,
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Expression of Interest (EOI)
Tender No. JAP-IT/18-19/HighCourt/EOI-1

1. On behalf of Jharkhand High Court, JAP-IT invites online Expressions of Interest (Eoi) from organization for Design, Development, Implementation, Maintenance and Support of AI (Artificial Intelligence) Based Comprehensive Decision support Smart Court for Jharkhand High Court.
2. JAPIT, on behalf of Government of Jharkhand invites sealed proposals including Technical and Budgeted Commercial from competent and eligible Firms. The envelope should contain all relevant documents, detail as mentioned in tender document (Annexure – A).
3. The following table provides a quick overview of the key activities and some important information about this tender.

SN	Particular	Details
1.	EOI Reference No.	JAP-IT/18-19/HighCourt/EOI-1
2.	Tender issuing Authority	JAP-IT, an Autonomous body under Department of Information Technology & e-Governance, Govt. of Jharkhand
3.	Name of the Project	Design, Development, Implementation, Maintenance and Support of AI (Artificial Intelligence) Based Comprehensive Decision support Smart Court for Jharkhand High Court.
4.	Date of commencement of issue of tender document	03/11/2018
5.	Last Date and Time, Submission of tender document	19/11/2018 11:00 AM
6.	Date of opening of Technical	19/11/2018 11:30 AM
7.	Date for Presentation	19/11/2018 12:30 PM Onwards
8.	Address of Communication/Submission of Proposals	JAP-IT, Engineers Hostel No. – 1, Near Golchakkar, Dhurwa, Ranchi-834004 Tel: 0651 – 2401040, 2401041 Fax: 0651 – 2401040
9.	Contact E-mail Id	Japit_doit@rediffmail.com , osd.japit@jharkhandmail.gov.in and risha.choudhary@gmail.com
10.	Contact Person	OSD JAP-IT

4. A detail copy of the tender document (Annexure “A”) should be obtained from JAP-IT notice board/ office or may also be downloaded from **<http://jharkhand.gov.in>** and **<http://japit.jharkhand.gov.in>**

Sd/-
OSD, JAP-IT

Annexure "A"

1. Objective :

The Jharkhand High Court has digitized the legal cases by scanning the files. The question is how can we make the use of digitized files in order to deal with the ongoing pendency of cases. With lack of staff and increasing number of cases, multiple concerns arise while trying to fast track the process. About 250 cases are filed everyday in the High Court with an average size of 100 pages per case. This naturally takes a long time to read and understand. The purpose is to use historical data and previous decisions/orders/judgments to assist in decision-making?

2. Scope of Work :

Must have a computer system capable of reading millions of words/pages per second to process so much information flow in the form of appeals/cases filed on daily basis. An A.I. system should be capable of extraction of data from the scanned files that can read through a single case in a matter of seconds to help in preparation and decision-making for judges. Use of A.I. + B.I. + Dashboard + interactive chat bots with (i) voice recognition, and (ii) speech recognition, can significantly contribute in expediting the judicial process.

A system should be capable of reading through the scanned documents and retrieve information to assist judges can certainly do wonders in dealing with pendency by fast-tracking the overall judicial process.

Design, Development, Implementation, Maintenance and Support of AI (Artificial Intelligence) Based Comprehensive Decision support Smart Court for Jharkhand High Court.

- a. Platform should be capable of intelligent data management
- b. Data engine should be capable of
 - i. Language detection
 - ii. Translation
 - iii. Entity relation detection
 - iv. Classification
- c. Storage structure of unstructured data containing main database, indices, and knowledge base for legal application
- d. A.I. engine for analyzing structured and unstructured data and information that can support A.I. application services
- e. A.I. dashboard for viewing key cases by case type, pendency, allotment, and other required criteria
- f. Smart search option to support research and cluster linkage for case study and study history
- g. Chat bots application capable of
 - i. Understanding spoken language by human entity
 - ii. Understanding query and producing relevant/necessary answer to query from the case-file uploaded
- h. Security parameters for hack and tamper prevention
- i. Security Audit of the Developed application
- j. Training & User manual

- k. Deployment at Jharkhand State Data Center on Cloud environment.

3. Solution Required

A platform should be supported by an A.I. data engine and A.I. (NLU – Natural Language Understanding) engine capable of understanding:

1. Complexity of legal matter
2. Contextual analysis of legal matter
3. Maintain centralized database for smart search and automated sorting of cases
4. Anticipate procedural deficit
5. Predict Applicability of law (IPC/CrPC)

4. Features

Allows judges to interact with the systems in natural verbal language to extract information from any given case for the purpose of understanding the case, information gathering from files, and research for investigation purposes. For the purpose of ease of usage, the system must have advanced voice & speech recognition to understand and process spoken language of the judges (with and without accent).

A judge can simply type or speak to ask questions such as:

- How many cases do we have in the roster today?
- What is the case type?
- What is the matter about/What are the case details?
- Give me key details of the case.
- Re-direct me to pages showcasing issues in the matter
- What is the case law?
- Which other cases have used same/similar case laws?
- What is the nature of crime?
- What is the venue of crime?
- How many/which accused parties are acquitted?
- What time did the incident occur?
- And more.

The system must also include a custom developed smart dashboard. Apart from these, the system must include B.I. features to help visualize data and activities of the court.

The platform must allow new applications to be built on top of the database to facilitate more features to meet future needs and/requirements as they arise.

5. Qualification Criteria

a. The Firm should be a Business Entity shall mean a company registered in India under

- Under the Companies Act 1956
- Companies registered under Companies Act 2013
- Partnership firms registered under Limited Liability Partnerships (registered under LLP Act, 2008)
- Partnership firms registered under Indian Partnership Act, 1932

(**Copy of Proof:** Certificates of incorporation /Company registration Certificates / MOA and AOA or Board Resolution copy)

(Consortiums are not Allowed)

b. The Solution Software and BA/BI tools should be from same Vendors/Firms

c. The Firm should have been registered with GST. Firm has also to submit the copy of latest GST Return. (**Copy of Proof:** Copy of GST registration/return / Copy of PAN Card)

d. **Implementation Schedule** – Firms has to submit the Implementation time plan.

6. General Terms & Condition

IPR & Source Code: The proposed application IPR and source code should be with Jharkhand Government.

Knowledge Transfer: Knowledge Transfer should be done to Department within the project period

7. **Evaluation Criteria and Method of Evaluation:** a. Screening of EOIs shall be carried out as per eligibility conditions mentioned in this document and based on verification of testimonials submitted.

Agencies who qualify as per the eligibility conditions will be provided a brief about the Solution. The agencies may be required to make a presentation as per the scheduled date, if required, to a selection committee show-casing their proposals.

8. Procedure for Submission of EOI

a. Firm should submit their proposal at JAP-IT office on and before 19/11/2018 11:00 AM.

b. EOI is demand in Two Cover System:- (1) Technical (2) Budgeted Commercial.

1. Technical Cover:-

Point wise Copy of supporting documents as per detail mentioned in Qualification Criteria above. Copy of Technical proposal should be submitted to our official email with zipped and **Password Protected**. Password should not be shared with the email. Firm/bidders representative will open the document with the protected password during the bid opening process at JAPIT.

Email id: japit_doit@rediffmail.com

A hard copy also submitted in hand at JAPIT office as mentioned address.

Note: Firm should provide valid necessary documentation

2. **Budgeted Commercial:-**

Cost must be mentioned in Indian rupees Exclusive of taxes. Taxes are applicable as per actual.

3. **Technical Presentation:-**

Firms/ Bidders required making the technical presentation on proposed solution as mentioned in this Scope of Work.

9. **Conflict of Interest:** The conflict of interest exists or may arise, it shall be the responsibility of the Bidder to inform JAPIT, detailing the conflict in writing as an attachment to this Bid.

JAPIT will be the final arbiter in cases of potential conflicts of interest. Failure to notify JAPIT of any potential conflict of interest will invalidate any verbal or written agreement.

A Conflict of Interest is where a person who is involved in the procurement has or may be perceived to have a personal interest in ensuring that a particular Bidder is successful. Actual and potential conflicts of interest must be declared by a person involved in a Bid process.

10. **Condition under which EOI is issued:** The EOI is not an offer and is issued with no commitment. JAPIT reserves the right to withdraw EOI and or vary any part thereof at any stage. JAPIT further reserves the right to disqualify any bidder, should it be so necessary at any stage.

11. **Appendices**

The following appendices **shall** be enclosed:

- The most recent annual report (if this cannot be submitted, describe why)
- Proposed Solution and Presentation Copy

The expression of interest shall be signed by a person authorized to sign for the company:

This expression of interest is valid until 3 months from the date of expiry of the invitation.

Sd/-

OSD, JAP-IT