

GOVERNMENT OF JHARKHAND

DEPARTMENT OF FORESTS, ENVIRONMENT & CLIMATE CHANGE

**OFFICE OF CONSERVATOR OF FOREST, WORKING PLAN  
CIRCLE, RANCHI, JHARKHAND**

Tender Notice No. 01/2018

Dated: 07.12.2018

**NOTICE INVITING TENDER  
FOR GIS APPLICATION DEVELOPMENT**

Sealed Tender is invited from registered manufacturers/suppliers/GIS application developers or their authorized dealers for “supply, development, installation, training and maintenance of GIS applications for Web GIS Solution for Forestry Modernization Plan of Jharkhand Forest”. The bidder should be an ISO Certified OEM (Original Equipment Manufacturer) or their Authorized dealer /partner. In case of authorized dealer /partner, a letter of authorization from original manufacturer should be furnished. (Self-attested documents to be submitted.)

The salient features / technical specification of works to be done/ materials to be supplied, eligibility criteria and instructions on how to bid and other details are available in the tender document uploaded on the website of Forest Department, Jharkhand at: <http://forest.jharkhand.gov.in>

Important information and tentative dates are given in the tender document.

Interested bidders are requested to submit their tenders in a sealed envelope through Speed Post / Registered Post or deliver by hand super scribing “Tender for supply, development, installation, training and maintenance of GIS applications for Web GIS Solution for Forestry Modernization Plan of Jharkhand Forest in Jharkhand” on top of the envelop at the following address on or before 02.01.2019, 16.00 hrs. The sealed envelope of tender shall contain two separate sealed envelopes, the first containing the Technical Bid along with all supporting documents and superscripted “Technical Bid for supply, development, installation, training and maintenance of GIS applications for Web GIS Solution for Forestry Modernization Plan of Jharkhand Forest in Jharkhand”, and the second sealed envelope containing only the Financial Bid in the prescribed format and superscripted “Financial Bid for supply, development, installation, training and maintenance of GIS applications for

Web GIS Solution for Forestry Modernization Plan of Jharkhand Forest in Jharkhand".

The submission must be addressed to: Conservator of Forests, Working Plan Circle, Ranchi, Block B, Van Bhavan, Doranda, Ranchi- 834002, Jharkhand

**The work is to be completed within the financial year 2018-19.**

2. A demand draft of Rs. 300000/- (Rupee three lakhs only) as earnest money in favour of Conservator of Forests, Working Plan Circle, Ranchi, Jharkhand is required to be deposited (in original) in the office of tender Issuing Authority at Block B, Van Bhavan, Doranda, Ranchi- 834002 (Jharkhand) on or before bid submission closing date and time. The sealed envelope should be super scribed as "BID SECURITY for supply, development and installation of GIS applications for "Web GIS Solution for Forestry Modernization Plan of Jharkhand Forest in Jharkhand." addressed to Conservator of Forests, Working Plan Circle, Ranchi, Jharkhand.

**3. The Tender document contains the following:-**

Annexure 1	Tender Document
Annexure 2	Technical Bid
Annexure 3	Technical specification
Annexure 4	Financial bid
Annexure 5	Format for Performance Security
Annexure 6	Check list of Technical Bid
Annexure 7	Tender conditions, Acceptance letter
Annexure 8	Declaration by the bidder for supplying of equipment/performing the contract
Annexure 9	Authorization letter for signing bids
Annexure 10	Declaration of not being black listed
Annexure 11	Information about the bidding firm
Annexure 12	Performance security form

**CRITICAL DATE SHEET**

Name of Department	Department of Forest, Environment & Climate Change, Additional Principal Chief Conservator of Forests, Working Plan, Jharkhand, Ranchi,
Name of work	Supply, development, installation, training and maintenance of GIS applications for Web GIS Solution for Forestry Modernization Plan of Jharkhand Forest in Jharkhand.
The last date for submission of the Bid	2 <sup>nd</sup> January, 2019, 16.00 hrs.

Date and Time for Opening the Technical Bid	3 <sup>rd</sup> Jan, 2019, 11.00 hrs.
Date and Time for Opening the Financial Bids	Will be intimated after finalization of Technical Bids
Address for Communication	Conservator of Forests, Working Plan Circle Ranchi, Jharkhand, Block B, Van Bhavan, Doranda, Ranchi. 834002, Jharkhand. Website: <a href="http://forest.jharkhand.gov.in">http://forest.jharkhand.gov.in</a>



The detailed tender Documents may be downloaded from official website-<http://forest.jharkhand.gov.in> or may be obtained from the office of Conservator of Forests, Working Plan Circle, Block-B, Van Bhavan, Doranda, Ranchi during the office hours in working days by paying Rs.2000/- (two thousand) as Tender Fee in form of DD from a nationalized bank drawn in favour of "Conservator of Forests, Working Plan Circle, Ranchi" payable at Ranchi towards the cost of the tender papers, which is non-refundable and should be enclosed in the tender. Tenderer, who will download the tender documents from the website, will also have to deposit the specified tender -fee in the shape of bank draft along with the tender document.

1. Bids through Email will not be accepted.
2. Bidders are requested to visit the website <http://forest.jharkhand.gov.in> regularly. Any changes/ modifications in tender will be intimated by corrigendum through these websites only.
3. In case, holiday is declared by the Government on any of the critical days in the above task, the same will be opened/ undertaken on the next working day at the same time. The Department reserves the right to accept or reject any or all the tenders without assigning any reason.
4. Tender received after last date & time and / or received through fax/e-mail, etc would be summarily rejected without any notice to the applicant and no representation or correspondence regarding such rejection shall be entertained under any circumstances.
5. No correspondence from any applicant for not being shortlisted/ considered for selection etc. would be entertained at any stage under any circumstances. Canvassing in any form will summarily disqualify the applicant

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Addl. PCCF,  
Working Plan, Jharkhand, Ranchi*

**6. The Organizations are required to Submit the following documents along with bid:**

- a) Bid Security
- b) Registration Certificate/ memorandum & Articles of Association and any other documents to certify the nature of existence of the Organization.
- Audited P&L Accounts and audited Balance sheet of last three financial years.
- c) Self attested copies of valid PAN of the organization/TAN and GST registration.
- e) An authorization letter from the firm/OEM certifying that the person who signed the bid is an authorized person to sign on behalf of the firm/OEM.
- f) A declaration that the organization has not been blacklisted from the Authorized Signatory of the Organization
- g) The bidder has to submit at least 03 Order copies for IT or GIS products, services and solutions during last three financial years. from Govt.(State/Central)/PSUs/Universities
- h) Details of technical personnel, available with the bidder / OEM (if Bidder, then authorization from the OEM) having expertise in software development to our requirement.
- i) The bidding company must be having local office at Ranchi so as development project can be properly managed and support can be provided (submit the documentary evidence). If bidder does not have local office at Ranchi, then they must provide undertaking that they will open office at Ranchi within one month of the order. Failing which order will be treated cancelled. Proper proof of the office is to be provided.
- j) Technical Bid
- k) Financial Bid
- l) Tender Acceptance Letter.

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Conservator of Forests  
Working Plan Circle Ranchi,  
Jharkhand

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2/12/18  
Addl. PCCF, Jharkhand, Ranchi  
Working Plan, Jharkhand, Ranchi

**GOVERNMENT OF JHARKHAND**

**DEPARTMENT OF FORESTS, ENVIRONMENT & CLIMATE CHANGE**

**OFFICE OF CONSERVATOR OF FOREST, WORKING PLAN  
CIRCLE, RANCHI**

Tender Notice No. 01/2018

Dated 07.12.2018

**NOTICE INVITING TENDER  
FOR GIS APPLICATION DEVELOPMENT**

Sealed Tender is invited from registered manufacturers/suppliers/GIS application developers or their authorized dealers for "supply, development, installation, training and maintenance of GIS applications for Web GIS Solution for Forestry Modernization Plan of Jharkhand Forest" in Jharkhand state. The salient features of this work, eligibility criteria and instructions on how to bid and other details are available in the tender document uploaded on the website of Forest Department, Jharkhand at: <http://forest.jharkhand.gov.in>

Important information and tentative dates are given in the tender document. The detailed tender Documents may be downloaded from official website- <http://forest.jharkhand.gov.in> or may be obtained from the office of Conservator of Forests, Working Plan Circle, Block-B, Van Bhavan, Doranda, Ranchi during the office hours in working days by paying Rs.2000/- (two thousand) as Tender Fee in form of DD from a nationalized bank drawn in favour of "Conservator of Forests, Working Plan Circle, Ranchi" payable at Ranchi towards the cost of the tender papers, which is non-refundable and should be enclosed in the tender. Tenderer, who will download the tender documents from the website, will also have to deposit the specified tender -fee in the shape of bank draft along with the tender document.

Interested bidders are requested to submit their tenders in a sealed envelope through Speed Post / Registered Post or deliver by hand super scribing "Tender for supply, development, installation, training and maintenance of GIS applications for Web GIS Solution for Forestry Modernization Plan of Jharkhand Forest in Jharkhand" on top of the envelop at the following address on or before 2<sup>nd</sup> Jan, 2019, 16.00 hrs. The sealed envelope of tender shall contain two separate sealed envelopes, the first containing the Technical Bid along with all

supporting documents and superscripted "Technical Bid for supply, development, installation, training and maintenance of GIS applications for Web GIS Solution for Forestry Modernization Plan of Jharkhand Forest in Jharkhand", and the second sealed envelope containing only the Financial Bid in the prescribed format and superscripted "Financial Bid for supply, development, installation, training and maintenance of GIS applications for Web GIS Solution for Forestry Modernization Plan of Jharkhand Forest in Jharkhand".

The submission must be addressed to: Conservator of Forests, Working Plan Circle, Jharkhand, Block B, Van Bhavan, Doranda, Ranchi. 834002, Jharkhand

The work is to be completed within the financial year 2018-19.

### **1. ELIGIBILITY**

- (a) The bidder should be registered manufacturers/suppliers/GIS developers or their authorized dealer/partner.
- (b) The bidder should be an ISO Certified OEM (Original Equipment Manufacturer) or their Authorized dealer /partner. In case of authorized dealer/partner, a letter of authorization from original manufacturer must be furnished. (Self-attested documents to be submitted).
- (c) The bidder should have at least 7 years of experience in IT Sector for supplying of GIS Software and Hardware and IT products and to develop and maintain Applications to any State/Central Government organization
- (d) The bidder must submit tender specific authorization from OEM for all product and tools required in the project.
- (e) OEM should give undertaking that the required development will be directly monitored by OEM or they will guarantee that the application will work properly on the given platform and if any support issue is not resolved by bidder then OEM will provide support to run the application smoothly on the given platform.
- (f) The mentioned software applications are to be developed on existing technology and SDK available with department

(g) The bidding company must be having local office at Ranchi so that development project can be properly managed and support can be provided (documentary evidence to be submitted.). If bidder does not have local office at Ranchi, then they must provide undertaking that they will open office at Ranchi within one month of the order. Failing which order will be treated as cancelled. Proper proof of the office is to be provided.

(h) The bidding company should have an annual turnover of above 1 crore during last three financial years and have business track record of 10 years or more in IT sector. A copy of audited Balance sheet /PL/TA should be submitted as proof.

(i) Technical compliance sheet (annexure-3)

(j) Blacklisted Organizations are not eligible to apply.

## 2. IMPORTANT DATES

Name of Department	Department of Forest, Environment & Climate Change, Additional Principal Chief Conservator of Forests, Working Plan, Jharkhand, Ranchi
Name of work	Supply, development, installation, training and maintenance of applications for "Web GIS Solution for Forestry Modernization Plan of Jharkhand Forest in Jharkhand.
The last date for submission of the Bid	2 <sup>nd</sup> Jan, 2019, 16.00 hrs.
Date and Time for Opening the Technical Bid	3 <sup>rd</sup> Jan, 2019, 11.00 hrs.
Date and Time for Opening the Financial Bids	Will be intimated after finalization of Technical Bids
Address for Communication	Conservator of Forests, Working Plan Circle, Ranchi, Jharkhand, Block B, Van Bhavan, Doranda, Ranchi. 834002, Jharkhand. Website: <a href="http://forest.jharkhand.gov.in">http://forest.jharkhand.gov.in</a>

### **3. SUBMISSION PROCESS**

The offer is to be submitted in two bids as technical and financial bids as per extant procedure elaborated in this document along with all required documents.

### **4. SELECTION PROCESS**

The Department of Forests, Environment, Climate Change, Government of Jharkhand invites technical and financial bids on sealed tenders from qualified organizations under two bid system based on least Cost Selection System. Tenders will be opened by the departmental procurement committee.

Technical bids of all the bidders will be examined first and then the technically qualified bids will be evaluated by the committee. Financial bids of only those bidders, who will be found to be fulfilling the technical criteria, will be opened and evaluated. The Technical bid of all the bidders and financial bid of qualified bidders as per technical criteria will be opened as per the details regarding date and time mentioned in the tender. Financial bid of those bidders will not be opened, who do not qualify on the technical criteria of the technical bid.

### **5. DOCUMENTS TO BE SUBMITTED:**

- a) Technical Bids
- b) Format for Technical Qualification (indicating fulfillment of all the indicated criterion)
  - i. Copies of Registration Certificate/Memorandum & Articles of Association, GST/ISO and any other documents to certify the nature of the Organization.
  - ii. Audited P&L Accounts and audited Balance sheet of last three financial years.
  - iii. Copies of last three years annual report.
  - iv. Self attested copies of valid PAN and GST registration.
  - v. Financial years 2015-16, 2016-17 & 2017-18 towards establishing which audited financial statements to be submitted. In case of financial statement of FY 2017-18 being under audit, average turnover of the previous three financial years which have been audited i.e. 2014-15, 2015-16 & 2016-17 will be considered. However, applicant will have to additionally submit provisional balance sheet of



FY 2017-18 to establish that annual turnover of said years is also above **Rs. 100 lakhs**)

- vi. A declaration that the organization has not been blacklisted from the Authorized Signatory of the Organization.
- vii. The bidder has to submit at least 03 Order copies for IT or GIS products, services and solutions during last three financial years from Govt.(State/Central)/PSUs/Universities
- viii. Details of technical personnel, available with the bidding OEM (if OEM is authorizing the bidder) having expertise in software development to our requirement.
- ix. The bidding company must be having local office at Ranchi so as development project can be properly managed and support can be provided (documentary evidence to be submitted). If bidder does not have local office at Ranchi, then they must provide undertaking that they will open office at Ranchi within one month of the order. Failing which order will be treated cancelled. Proper proof of the office is to be provided
  - c) Financial Bids
  - d) Bid Security
  - e) Tender Acceptance Letter.

## 6. BID SECURITY

A demand draft of **Rs. 300000/-** (Rupee three lakhs only) as earnest money in favour of Conservator of Forests, Working Plan Circle, Ranchi, Jharkhand is required to be deposited (in original) in the office of Conservator of Forests, Working Plan Circle, Ranchi at Block B, Van Bhavan, Doranda, Ranchi- 834002 (Jharkhand) on or before bid submission closing date and time. The envelop should be super scribed as "***BID SECURITY for supply, development, installation, training and maintenance of GIS applications for Web GIS Solution for Forestry Modernization Plan of Jharkhand Forest in Jharkhand***" addressed to Conservator of Forests, Working Plan Circle, Ranchi, Jharkhand.



**Government and other organizations exempted from payment of Bid Security may attach scanned copy of the document as a proof in this regard.**

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Addl. PCCF,

**A. The Bid Security submitted by the bidder will be forfeited if:**

- If successful bidder fails to accept the Letter of Award (LoA)
- If bidder fails to furnish the required performance security within the specified period.
- The bidder withdraws bid after processing but before acceptance of award of contract issued by the Department
- The bidder violates any of the provisions of the terms and conditions of the tender specifications.
- If bidder canvasses in any way for the bid.
- If bidder withholds information or submits false information

**B. The Bid Security will be refunded to:**

- The successful bidder, subject to submission of Performance Security
- The unsuccessful bidders, only after acceptance of award of contract by the selected bidder or in case of cancellation of tender.

The Bid Security will be refunded without any interest under all conditions. Offers received without Bid Security will be summarily rejected (other than those exempted).

- MSME firm if quoting will be exempted from Bid security as per government norms.

## **7. PERFORMANCE SECURITY**

The successful bidder will be required to submit a Performance Security issued by any scheduled commercial bank @5% of the contract value. Performance Security may be furnished in the form of an Account Payee Demand draft or Bank Guarantee from a Commercial Bank. Performance Security would remain valid for entire warranty period i.e. for one year beyond the date of completion of the project. The Performance Security may be invoked by the Department in case of failure of bidder to adhere to the terms & conditions of the contract. In case of delays in execution of project, the Department may seek extension of the Performance Security

which will require to be acceded to by the Organization. Format is given at Annexure-12.

## 8. NON TRANSFERABLE BID

Neither the contract nor any rights granted under the contract may be sold, leased/sublet assigned, or otherwise transferred, in whole or in part, by the bidder, and any such attempted sale, lease assignment or otherwise transfer shall be void and of no effect.

## 9. COMPLETENESS OF BID OFFER

The bidder is expected to examine all instructions, forms, terms & conditions and specifications in the tender document. Failure to furnish all information required in document or submission of offer not substantially responsive in every respect to the tender document will be at the bidder's risk and may result in the rejection of bid offer. The bid offer is liable to be rejected outright without any intimation to the bidder if complete information as called in the tender document is not given therein, or if particulars asked for the Forms/Performa in the tender are not fully furnished.

## 10. TECHNICAL & FINANCIAL OFFER

- The technical offer should comply with all the requisite information. The technical offer should be complete in all respect.
- The financial offer should give all relevant price information and should not contradict the technical offer in any manner.
- The prices quoted in the financial bid should be without any conditions.
- The price schedule must be filled in completely, without any error, erasures or alterations. Bidder should quote as per the format specified in **Annexure-4**. All prices to be quoted in Indian Rupees only.
- Price quotation accompanied by vague and conditional expressions will be treated as being at variance and shall be liable for rejection.
- It is the responsibility of the bidder to clearly identify all costs and complete all parts of the financial proposal in a clear and accurate manner.
- Omissions, errors, misrepresentations or inadequate details in the bidder's financial proposal will be considered as valid ground for



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rejection of the bidder's proposal. Costs that are not clearly identified will be borne by the bidder.

## **11. TREATMENT OF DISCREPANCIES**



When there is a discrepancy between amounts in figures and in words, the amount in words will govern. If a Bidder refuses to accept the correction, his Bid will be rejected.

## **12. CORRUPT AND FRAUDULENT PRACTICES**

The Department will reject a proposal for award if it determines that bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question. The bidder is liable to be blacklisted in such an event.

## **13. LETTER OF AWARD AND CONTRACT AGREEMENT**

The Department will issue a Letter of Award (LoA) to the successful bidder in duplicate mentioning in brief rates, terms & conditions. The acceptance and return of one copy of the LoA duly signed as token of acceptance will be construed as entry into the contract by both parties. The contract agreement will be signed within one week of issue of LoA after submission of the Performance Security as failing which the Department reserves the right to take appropriate decision.

## **14. OWNERSHIP AND CONFIDENTIALITY OF DATA:**

1. The agency will have to maintained the confidentiality of the data and the development of the tools/modules will have to be done at the site as directed by the Forest Department.
2. All the source code of the developed modules/softwares will have to be handed over to the forest department and it will be the proprietary right of the department.

## **15. PAYMENT TERMS**

Payment of bill shall be made through the RTGS/DD/Cheque on completion of work and No advance payment will be made.

The payment shall be made after delivery, installation, demonstration and commissioning of the project including training.

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## **16. SUBCONTRACTING**

The bidder shall not subcontract or permit anyone other than its personnel to perform any of the work, service or other performance required of the bidder under the contract without the prior written consent of the Department.



## **17. TERMINATION OF CONTRACT**

The agreement can be terminated at any stage of the project if both parties/any of the parties individually agree to do so due to circumstances beyond their control after settling the financial liability at the time of termination.

## **18. INTELLECTUAL PROPERTY RIGHTS**

The intellectual property generated through the project shall be owned by the Forest Department.

## **19. ARBITRATION**

In case of dispute if any, it is expected that the same should be resolved at the joint meetings first at the level of nominated representatives from both sides, failing which at the level of Director and CF. However, if an agreeable solution does not emerge, the decision of APCCF, Working Plan, Jharkhand shall be final.

## **20. AGREEMENT**

The selected bidder will confirm in writing that the conditions contained in the tender document are acceptable to it as per tender Acceptance Letter format in Annexure -7.

## **21. DEFAULT**

- i. In case the selected bidder is found in-breach of any condition of tender/bid evaluation the BID SECURITY/Performance Security shall be forfeited/ invoked.
- ii. Defaulter would entail blacklisting of the Organization by the Department for at least 3 years.

## **22. GENERAL TERMS AND CONDITIONS**

- i. Bidders are advised to study the tender Document carefully. Submission of the tender shall be deemed to have been done after carefully studying and examination of all instructions, eligibility



criterion, terms and requirement specifications contained in the tender document with full understanding of its implications. Failure to furnish all information required in the tender Document or submission of a bid not substantially responsive to the tender Document in all respects will be at the Bidder's risk and may result in the rejection of the bid.

Bidders are requested to submit the bids in English language only. In case, the day of bid submission is declared Holiday by Govt. of Jharkhand, the next working day will be treated as day for submission of bids. There will be no change in the timings.

- iv. The Forest Department will not be responsible for any delay on the part of the bidder in obtaining the terms and conditions of the tender Document notice or submission of the bids.
- v. The offers submitted by telegram/fax/E-mail etc. shall not be considered.
- vi. Un-signed, un-stamped and without certificate for authorized person from bidders, bid shall not be accepted.
- vii. Conditional tenders shall not be accepted on any ground and shall be rejected straightway.
- viii. Ambiguous tenders will be outrightly rejected
- ix. Tenders not accompanied by desired documents, would be rejected. Undertaking of subsequent submission of any of the above document will not be entertained.
- x. Forest Department also reserves the right to cancel this bid or modify the requirement without assigning any reasons.
- xi. Forest Department also reserves the right to modify/relax any part of the tender prior to the submission date and time. Any such changes will be published on the website as corrigendum and the participant bidders are supposed to take the corrigendum also into account prior to bid submission.
- xii. The decision of Forest Department arrived during the various stages of the evaluation of the tender is final & binding on all bidders. Any representation towards these shall not be entertained by Forest Department.
- xiii. In case the selected bidder is found in-breach of any condition of tender evaluation the BID SECURITY/ Performance Security shall be forfeited /invoked, besides debarring & Black listing the selected bidder concerned for at least 3 years.



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xiv. Any attempt by bidder to bring pressure towards Forest Department's decision making process, such bidders shall be disqualified for participation in the present tender/bid and those bidders may be liable to be debarred from bidding for Forest Department tenders in future for a period of three years. Upon verification, evaluation/assessment, if in case any information furnished by the bidder is found to be false/incorrect, their total bid shall be summarily rejected and no correspondence on the same, shall be entertained. Further, Bid Security/ Performance Security shall also be forfeited/ invoked.

xvi. Forest Department will not be responsible for any misinterpretation or wrong assumption by the bidder, while responding to this tender.

xvii. The bidder shall be governed by the laws and procedures established by Government, within the framework of applicable legislation and enactment made from time to time.

xviii. The agency will have to maintain the confidentiality of the data and the development of the tools/modules will have to be done at the site as directed by the Forest Department.

xix. All the source code of the developed modules/softwares will have to be handed over to the forest department and it will be the proprietary right of the department.

xx. All the developed tools/applications should be compatible with Intergraph Geospatial server 2016 and other web services provided by the JSAC.

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Conservator of Forests,  
Working Plan Circle, Ranchi,  
Jharkhand

Stage-I

Technical Bid for supply, development, installation, training and maintenance of GIS Application for Web GIS Solution for Forestry Modernization Plan of Jharkhand Forest.

A bidder would be declared technically qualified for the consideration of financial bid (Financial evaluation) if he meets the following terms and conditions: -

Sl.No.	Description of Terms and Condition	Submitted by Bidder (Yes/No)
1.	The bidding firm should submit the information about the bidding firm as per the Performa as given at <b>Annexure-11</b> .	
2.	Technical bid furnished as per the format prescribed in <b>Annexure-3</b> for Technical evaluation.	
3.	Covering Full technical specification for each product.	
4.	Proof of authorization of dealership/Partnership issued by the respective Original Equipment Manufacturer.	
5.	The person signing the Tender shall be deemed that he has the authority to sign the Tender on behalf of the said company. Letter of authority to be attached.	
6.	GST Registration certificate	
7.	PAN card, ISO certificate	
8.	The Bidder should have a local presence fully functional service/support centre in Ranchi with minimum required number of qualified support staff to provide quality service support: Undertaking by the bidder in this regard.	
9.	The bidder should not have any of their contracts terminated or blacklisted in the last three years by any State or Central Government/PSU/Private Sector. The bidder shall submit undertaking/self-declaration that it has not been black listed in the Performa prescribed in <b>Annexure-10</b> .	

## Stage-II: Financial Bid



### Financial Terms and conditions:

Financial bids received from the technically qualified bidders will be evaluated by the tender committee in the chairmanship of Additional Principal Chief Conservator of Forests, Working Plan, Jharkhand. During evaluation of financial bids, Additional Principal Chief Conservator of Forests, Working Plan, Jharkhand may at his discretion, ask the bidders for clarification of their bids. The bidder should submit the financial bid in Performa as per **Annexure-4**.

**Evaluation Method of Financial Bids:** Technical bids of all the bidders will be examined first. Financial bids of only those bidders, who will be found to be fulfilling the technical criteria, will be evaluated. The Technical bid of all the bidders and financial bid of qualified bidders as per technical criteria will be opened as per details regarding date and time mentioned in the tender Notice No. 01/2018.

### No Claim or Compensation for Submission of bid

The bidder whose agency is not selected shall not be entitled to claim any costs, charges or expenses in connection with his submission of bid, even though Additional Principal Chief Conservator of Forests, Working Plan, Jharkhand, Ranchi/Conservator of Forests, Working Plan Circle, Ranchi may decide to withdraw the Notice Inviting tender.

### Jurisdiction of the Court

All disputes would be settled within Ranchi jurisdiction of Court of law only.

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**Technical Specifications of items required**

Sl No.	Product	Specification	Quantity	Technical Compliance (Yes/No)
1	GIS application development on given platform for ERDAS Apollo, GeoMedia WebMap, ERDAS Imagine , GeoMedia (2 licenses of SDK will be provided for development)	<p>Modules as below</p> <p>1) Creation of Master Catalogue of All Spatial and Non-Spatial Data like Report &amp; Photographs</p> <p>Jharkhand forest has immense repository of heterogeneous datasets, including but not limited to:</p> <ul style="list-style-type: none"> <li>a. File based Vector datasets</li> <li>b. satellite Imageries / other Raster datasets</li> <li>c. Flat Db tables with MIS information</li> <li>d. Reports in PDF Word format</li> <li>e. Photographs with location information in Metadata</li> <li>f. Video Files</li> </ul> <p>There is a requirement to create a central repository of all these datasets in a logical catalogue complete with required Metadata, which will be based on OGC CAT CSW compliance, on top of which various domain applications can be built. The Metadata schema for the catalogue needs to be defined and implemented based on inputs from Jharkhand Forest officials and Domain specialists. The catalogue needs to be exposed based on a service oriented Architecture wherein all spatial data needs to be accessed via OGC Services (WMS, WCS, WFS etc.), and all</p>	1 job	



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non-spatial data needs to be exposed via RESTful / similar services. Interchange information for integration with other systems, wherever required may be exposed as WSDL services.

2) Creation of Forest Fire Module and Mobile App for Report along with filtering technique of false alerts.

An android based mobile application to be created for posting forest fire incidents to the central server, the said application will sync all the data in pull – push mode to a central database. An integrated forest fire module to be customised on Geoportal, complete with a dynamic view of these forest fire incidents, along with a dynamic query cum dashboard module.

The application will synchronise all the forest fire alert data centrally in a DB schema, from where a web based dashboard application needs to be developed and integrated.

3) Change Detection Module

A dynamic change detection module to be provided which needs to perform on demand server side geoprocessing based on multi temporal imagery data, and churn out a customised report based on parameters provided by the department.

Below modules to be customised and integrated with the geoportal.

- Forest Cover Change - How the overall forest cover has changed in a



given Compartment/ beat vector boundary.

- b. Forest Density Change - How the overall forest Density has changed in a given Compartment/ beat vector boundary.
- c. Forest Water Body Change - How the overall Water content based on NDWI has changed in a given Compartment / beat vector boundary.
- d. Forest Encroachment Monitor / Change - Delineation of forest encroachment areas and area analysis of how much encroachment has happened in a given area of interest.

4) Plantation Monitoring Module, inclusion of Field Photograph, App and Change Identification of satellite and qualification of change on ground.

Various plantation drives takes place for forest rehabilitation, however not all planted saplings survive over time, hence a plantation monitoring module needs to be created with below modules:

- a. A mobile application module wherein the forest officers can push plantation datasets along with various parameters, location and field photographs at the time of plantation and after various

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time intervals for monitoring purpose. Audit trail to be maintained of these plantation records to analyse the effectiveness of plantation.

- b. A web geoportal module, wherein dynamic view of all plantation records, along with field parameters and photographs. Also audit trail to be visualised for monitoring and planning purpose.
- c. A dynamic query module integrated with a dashboard view to be provided on top of these plantation records, with an overlay analysis with other forest boundaries and spatial layers.

5) Microlevel watershed Module visualisation and analytics on web Micro watershed module to be provided, with a web-based view, wherein elevation, watershed and forest boundary data needs to be utilised for analytics, monitoring and planning purpose.

6) Mining Area Mapping



Module – Zone Map publishing

All the mining area boundaries within the forest area to be published, along with various mine planning parameters like, age of the mine, RR information as available with the department and audit trail. Mining zone map to be published along with integration with MIS information wherever available, a dynamic web-based query builder integrated with MIS to be provided. The applicant should be able to submit the mine area boundary and relevant documents on the geoportal, which should be available to the administrators for analysis and approval.

7) Wild life Module (Wild life reporting, damage assessment, Man animal conflict zonation)

A workflow based mobile and web application module to be provided to update various wild life spotting information, wherein various wildlife spotting may be updated, along with Damage assessment details, and Man Animal conflict incidents.

Proximity analysis to be provided along with a dynamic dashboard view comparing these incidents based on various parameters like time of the day, day of the week or proximity with various geographic entities like, water bodies.

8) Forest Right Module

The Portal will show the ownership and rights

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management for the forest area, along with historical and present details. Also the dataset needs to be thematically classified based on the type of forest, land and ownership.

**9) MFP- Minor Forest Product Monitoring Module**

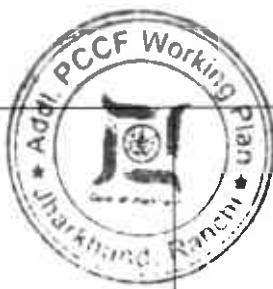
Minor Forest Product like Kendu Leave, Bahera, Chironji, Mahuawam, Karanji, Neem, Sal Seed, Tamarind, Amla location and purchase Price details Affiliated Society location and details.

Facility to delineate the area of minor produce for planning purpose needs to be provided, additionally dashboard showcasing year on year comparison of various products comparing with various parameters needs to be customized.

**10) Citizen Forest Incident, Theft Reporting Mobile App— The Incident reporting have should have simple interface of quick photograph reporting and assigning incident , there should be a Interactive GIS based dashboard of categorizing incident based on time , type to find problematic location.**

**11 ) Module on Joint Forest Management**

Demarcation of Degraded Forest for JFM, change detection for understanding the success of JFM after people participation. Geotagging of Forest Protection committee, also location of NGO activity will be available via portal. A dedicated login and



	<p>workflow based module to be provided for NGO's to update their activities and various other grievances to be provided, all this data to be visualized on the portal with a dynamic dashboard view for planning and decision making purpose.</p> <p>12) Any other module as and when required from time to time.</p> <p>The vendor should deploy complete software and demonstrate the same to the department</p> <p>All the developed tools should be compatible with Intergraph Geospatial Server 2016 and other web services provided by the JSAC.</p> <p>All the source code of the abovementioned modules should be handed over to the department, which will be the proprietary right of the forest department.</p> <p>The agency will have to maintain the confidentiality of the data and the development of the tools/modules will have to be done at the site as directed by the APCCF, Working Plan.</p> <p><b>Warranty:</b> After commissioning, the developer shall have to do all sort of maintenance work free of cost for one year.</p> <p>Training - for product acquaintance and operation of the all the applications will have to be provided by the developer free of cost.</p> <p>OEM authorization specific to the tender is to be submitted with offer OEM should give undertaking that the required</p>	
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development will be directly monitored by OEM or they will guarantee that the application will work properly on the specified platform and if any support issue is not resolved by bidder then OEM will provide support to run the application smoothly on the specified server/platform.

Before start of development of software, one agreement has to be signed between vendor and department which should include all minute details of development work, to be done

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Annexure-4

Financial bid for supply, development, installation, training and maintenance of ~~GIS~~  
Application for Web GIS Solution for Forestry Modernization Plan of Jharkhand  
Forest.

Description	QTY	Rate in Rupees (in words and figures)	Total Price in (in words and figures.) inclusive of all taxes
1. GIS application development on given platform for ERDAS Apollo, GeoMedia WebMap, ERDAS Imagine (with training of Forest staff for each application. No. of days for training of each module to be mentioned clearly.)	1 job		

Signature of Authorized Signatory

Name:

Designation:

Contact Address:

Telephone Numbers (Mobile & Landline):

Agency Seal



Annexure-5

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Working Addl. PCCF, 7/1/18  
Working Plan, Jharkhand, Ranchi

## Performance Security Form

### **THIS IS BANK GUARANTEE**

To,

(Name of Indenter)

WHERE AS.....

(Name of Bidder) hereinafter called the "Bidder" has undertaken contract no..... dated .....2018 to render services hereinafter called "the Contract".

AND WHEREAS it has been stipulated by you in the said contract that the Bidder shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with the Bidder's performance obligations in accordance with the contract.

AND WHERE AS we have agreed to give the Bidder a guarantee:

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Bidder, up to a total of ..... (among of the guarantee in Words and Figures) and we undertake to pay you , upon your first written demand declaring the Bidder to be in default under the contract and without cavil or argument, any sum or sums within the limit of ..... as aforesaid, without your needing to prove or to show this grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the .....day of .....2019

Signature and Seal of Guarantors

Date:

Address:



Annexure-6

Check List of Technical Bid

**Technical Bid for supply, development, installation, training and maintenance of Application for Web GIS Solution for Forestry Modernization Plan of Jharkhand Forest.**

Tender Notice no. 01/2018

Sl No.	Particulars	Yes/No
1	2	3
1	Covering Letter as per <i>Annexure-12</i>	
2	Declaration by the Bidding Firm as per <i>Annexure-7</i> and <i>Annexure-8</i>	
3	Information about the bidding Firm/Agency as per <i>Annexure-11</i>	
4	The copy of registration of bidding firm/Company/Agency/supplier/ manufacturer etc. (Attach relevant certificate)	
5	Authorization certificate from the Original Equipment Supplier (attach certificate)	
6	Copy of valid GST Registration (attach certificate)	
7	Photocopy of the PAN Card (attach certificate)	
8	Copy of ISO Certificate (attach certificate)	
9	The vendor should have a local presence and fully functional service/support centre in Ranchi Undertaking by the bidder	
10	Authorization letter issued by the Agency as per <i>Annexure-9</i>	
11	A self-certificate by the bidder that agency is not blacklisted in any state in India or in the case foreign bidder in any country and none of the partner/Director /Proprietor has not been charge sheeted/convicted as per <i>Annexure-10</i>	
12	Technical Specification as mentioned in <i>Annexure-3</i>	
13	Undertaking of Guarantee and warranty period of the product	
14.	At least 03 Order copies for IT or GIS products , services and solutions during last three financial years from Govt. (State/Central)/PSUs/Universities (FY 16-17, 15-16 & 14-15) (Attach Self Attested)	
15.	A copy of audited Balance sheet /PL/TA & ITR of Last 03 financial years (FY 16-17, 15-16 & 14-15) should be submitted as proof (Attach Self Attested)	

Bidders are advised to strictly confirm compliance to bid condition and not to stipulate any deviation/conditions in their offer. Subsequent to bid submission, the Department of Forests, environment & Climate Change Govt. of Jharkhand may or may not seek confirmations/clarifications and any bid not in line with Bid conditions shall be liable for rejection.

Any clarification/confirmation bidder may require shall be obtained from the Office of Conservator of Forests, Working Plan Circle, Ranchi, Jharkhand before submission of the bid.

Bidder shall submit complete bidding document including subsequent amendment, modification and revision, duly signed and stamped as a token of having read, understood and accepted all the terms and condition mentioned therein

(Signature of Bidder)  
With Seal



Annexure-7

**Format for declaration that the provisions of Tender Notice are acceptable and confirm that all statements made by the bidders are complete & correct**

*(To be typed on the Letterhead paper of the Bidding Firm, including full Postal address, Telephone, FAX numbers and e-mail address)*

To,

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Sub: Acceptance of Terms & Condition of Tender.

Tender Reference No: \_\_\_\_\_

Name of Work:-

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Dear Sir,

1. I/We have downloaded/ obtained the Tender document (s) for the above mentioned 'Tender/Work' from the web site(s) namely:

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as per your advertisement, given in the above mentioned website (s)

2. I/We hereby certify that I/We have read the entire terms and conditions of the Tender documents from page no. ----- to ----- (including all documents like annexure (s), schedule(s), etc.), which form

(E)



part of the contract agreement and I/we shall abide hereby by the terms/condition/clauses contained therein Ranchi, 21/11/16

3. The corrigendum (s) issued from time to time by your department/organization to have also been taken into consideration, while submitting this acceptance letter.
4. I/We hereby unconditionally accept the terms & conditions of above mentioned Tender document(s)/corrigendum(s) in its totality/entirety
5. In case any provisions of this Tender are found violated, then your department/ organization shall without prejudice to any other right or remedy be at liberty to reject this Tender including forfeiture of the Bid Security absolutely and necessary action be initiated as per terms & conditions of the Tender document and extant rule of Govt. of Jharkhand.

We hereby declare that all the information and statement made in these bids are complete, true and correct and accept that any misinterpretation contained in it may lead to our disqualification.

#### Information Details

- 1 Name of supplier/manufacturer/agency:-
- 2 Address of supplier/manufacturer/agency:-
- 3 Name, Designation and address of the contact person to whom all correspondences shall be made regarding this Tender:-
- 4 Telephone no. of contact person:-
- 5 Mobile no. of contact person:-
- 6 Fax no. of contact person:-
- 7 E-mail address of contact person:-

We hereby declare that our bids are made in good faith and the information contained is true and correct to the best of our knowledge and belief.

Yours Faithfully,

(Signature of the Bidder with official Seal)



Annexure-8

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7/12/18  
Addl. PCCF, Jharkhand, Ranchi  
Working Plan for Jharkhand, Ranchi

**Tender for supply, development, installation, training and maintenance of GIS Application  
Web GIS Solution for Forestry Modernization Plan of Jharkhand Forest.**

**Tender Notice No: 01/2018**

(To be submitted in the official letter head of the Bidding Firm)

I/We \_\_\_\_\_ (here in after referred to as the Bidder) being desirous of bidding for supply of \_\_\_\_\_ under above mentioned Tender Notice and having fully understood the nature of the equipment desired from the client and having carefully noted all the terms and conditions, specifications etc. as mentioned in the Tender document,  
**DO HEREBY DECLARE THAT**

1. The Bidder is fully aware of all the requirements of the Tender document and agrees with all provisions of the Tender document.
2. The Bidder is capable of supplying of “.....” as required in the Tender.
3. The Bidder accepts all risks and responsibilities directly or indirectly connected with the process of supplying “.....”.
4. The Bidder has no collusion with any employee of Forest Environment & Climate Change of the Govt. of Jharkhand or with any other person or firm in the preparation of the bid.
5. The Bidder has not been influenced by any statement or promises of the Department of Forest Environment & Climate Change of the Govt. of Jharkhand or any of its employees, but only by the Tender document.
6. The bidder is financially solvent and sound and sound to supply the required numbers of equipment as mentioned under this tender document.
7. The Bidder is sufficiently experienced and competent to perform the contract to the satisfaction of the client i.e. the Office of Conservator of Forests, Working Plan Circle, Ranchi, Jharkhand.
8. The information and the statements submitted with the bids are true.
9. The Bidder is familiar with all general and special laws, acts, ordinances, rules and regulations of the State and Central Government that may affect bid.
10. The Bidder has not been debarred from similar type of assignment by any Government Dept. /PSU.
11. The Bidder gives the assurance to supply/develop “.....” as per specifications, terms and conditions.
12. The Bidder accepts that the firm/company/agency will be black listed by Forest Environment & Climate Change of the Govt. of Jharkhand if the Bidder fails to undertake assignment or sign the contract within the stipulated period.

Authorized Signatory  
Name:  
Designation:



Annexure-9

20/01/2018

Working Plan, Addl. PCCF, Jharkhand, Ranchi

**Format of Authorization letter for Signing Bid**

**Tender for supply/development of GIS Based Application development & It's Implementation, commissioning, training and maintenance.**

Tender Notice No: 01/2018

**Authorization Letter**

(To be on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution)

Know all men by these presents, we.....(name and address of the registered office) do hereby constitute, appoint and authorize Mr./Ms.....(Name and residential address) who is presently employed with us and holding the position of.....as our authorized person to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our bids for supply of "....." including signing and submission of all documents and providing information/Bids to the Office of Conservator of Forests, Working Plan Circle, Ranchi, Jharkhand and representing us in all matters before [Insert Name], all matters in connection with our bids. She/he is also authorized to attend meetings and submit technical and financial information as may be required.

We hereby agree to ratify all acts, deeds and things lawfully done by our said authorized person and that all acts, deeds and things done by our authorized person shall and shall always be deemed to have been done by us.

For

\_\_\_\_\_

Accepted

..... (Signature)

Authorized Signatory

Name:

Designation:

Agency Seal:

**Note:**

The mode of execution of the Authorization letter should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executants and when it is so required the same should be under common seal affixed in accordance with the required procedure.



Annexure-10

Format for declaration by bidder or agency that has not been Convicted/Charge sheeted in any court of law.

Tender for Supply/ development of  
**GIS Based Application development & Implementation/training**  
Tender Notice no 01/2018

To,

Conservator of Forests  
Working Plan Circle, Ranchi, Jharkhand,  
Block-B, Van Bhawan,  
Doranda, Ranchi.-834002

Sub: Declaration Letter for Agencies for supply/development of “.....”  
Dear Sir,

This is to notify you that our Bidding Firm/Agency/organization/Company intends to submit bids in response to your Tender Notice No. 01/2018 in accordance with the above we would like to declare that:

- a) We are not involved in any litigation that may have an impact of affecting or compromising the delivery of services as required under this assignment.
- b) We are not black-listed by any Central/ State Government/ Public Sector Undertaking in India.

Sincerely,

AUTHORIZED SIGNATORY

[AGENCY NAME]

Name

Signature date

Agency Seal



Annexure-11

22/2/2018  
Working Plan Addl. PCCF, Jharkhand, Ranchi

**Information about the Bidding Firm**

Tender for supply of

**GIS Based Application development & it's Implementation, commissioning, training and maintenance.**

Tender Notice no: 01/2018

(To be submitted in the official letter head of the Bidding firm/Manufacturer/supplier)

Sl no.	Particulars
1	Name of the Bidder
2	Address of Bidder with Telephone, Fax, e-mail.
3	Address of the Registered Office
4	Name & Designation of Authorized Signatory for Correspondence (Attach Power of Attorney as per Annexure-7)
5	Permanent Account Number (Attach proof)
6	GST Registration Number (Attach proof)
7	Copy of ISO registration
8	Local Service centre address , with contact no , email id for proving local (Give Details)
9	Authorization letter from Original Equipment Manufacturer of
10	Other details and remarks, if any

Yours faithfully,

(Signature of Authorized Signatory)

Name : *(Signature)*

Designation : *(Signature)*

Agency Seal : *(Signature)*

(Separate sheet may be used for giving detailed information duly signed)



Annexure-12

22/11/18  
Working Plan Addl. PCCF, Jharkhand, Ranchi

Covering Letter

(To be submitted in the official letter head of the Bidding Firm)

To,

Conservator of Forests,  
Working Plan Circle, Ranchi  
Jharkhand  
Block-B, Van Bhawan,  
Doranda, Ranchi-834002

Sub: Declaration Letter for Bidding Firm for Supply/development of **Mobile Application engine/GIS Based Application development & its Implementation, commissioning, training and maintenance.**

Sir,

We are hereby submitting our proposal in full compliance with the terms and condition of the Tender Notice No. 01/2018. A blank copy of the Tender document, duly signed on each page is also submitted as proof of our acceptance of all Terms & Conditions. We confirm that, we have the capability for supply/development of “.....” as specified in the technical specification of the said equipment in this tender document.

The bids are submitted in two separate and sealed envelopes marked “Technical Bid” & “Financial Bid” and both placed in another sealed envelope as described under “procedure for submission of bids”.

Authorized Signatory

Name:

Designation:

(Bidding Firm) Seal: