

Notice Inviting Open Tender

for

**“SERVICES OF TECHNICAL MANPOWER FOR REMOTE SENSING & GIS
DATA PROCESSING, INTERPRETATION AND ANALYSIS” FROM THE
SERVICE PROVIDER FIRMS FOR ACTIVITIES OF MONITORING &
ASSESSMENT OF FORESTS.**



**Forest Survey of India
Ministry of Environment, Forest & Climate Change
Government of India
Kaulagarh Road, P.O.-IPE
Dehradun – 248195**



Forest Survey of India
Ministry of Environment, Forest & Climate Change
Government of India
Kaulagarh Road, P.O. -IPE
Dehradun – 248 195

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SECTION – 1

NOTICE INVITING E-TENDER
(NIT)



Forest Survey of India
Ministry of Environment, Forest & Climate Change
Government of India
Kaulagarh Road, P.O. IPE
Dehradun – 248 195

No: 22-424/2019-FGD-2267

Dated: 04-06-2019

SECTION-1: NOTICE INVITING E-TENDER (NIT)
(Two Stage Open Tender)

Director General, Forest Survey of India invites online electronic bids (e-tenders) under two bid system on behalf of the President of India from domestic bidders registered in India.

“Services of Technical Manpower for Remote Sensing & GIS Data Processing, Interpretation and Analysis” From the Service Provider Firms for Activities of Monitoring & Assessment of Forests.

Tender Specification No.: 22-424/2019-FGD-2267

Dated: 04-06-2019

Tender document can be viewed and downloaded from FSI website www.fsi.nic.in and <https://moefcc.euniwizarde.com>. The bid for all or any of the services is to be submitted **online only** on <https://moefcc.euniwizarde.com> up to the last date and time of submission of bids. Sale of hard copy of tender document is not applicable.

The offers, in the prescribed format, shall be submitted online at <https://moefcc.euniwizarde.com> as per the tender document. No Quotation will be accepted in hard copy, fax, e-mail or any other such means. The intending bidders must be registered with e-tender website <https://moefcc.euniwizarde.com>. The tender document is also available on Ministry of Environment, Forest and Climate Change website: <http://envfor.nic.in/> for reference only but not for submission. However, for the purpose of submission, the website

<https://moefcc.euniwizarde.com> should be referred to. NIT can also be seen on CPP Portal <https://eprocure.gov.in/epublish/app>.

1. Brief Details & Critical Dates of Tender:

1.1 Brief Details of Tender:

S. No.	Item	Description
(i)	Name of work	"Services of Technical Manpower for Remote Sensing & GIS Data Processing, Interpretation and Analysis" From the Service Provider Firms for Activities of Monitoring & Assessment of Forests.
(ii)	Tender specification no	
(iii)	Mode of tendering	e-Tendering system (Open Tender)
(iv)	Tender ID	22-424/2019-FGD
(v)	Cost of bidding document	The interested bidders will have to deposit the amount of ₹1000/- (non-refundable) towards tender fee through Bharatkosh (https://bharatkosh.gov.in)
(vi)	EMD (Bid Security)	The scanned copy of the DD/ Bank Guarantee of Earnest Money Deposit (EMD) of ₹ 1,00,000/- (₹ One lakh) only in the form of Demand Draft With Minimum three months Validity in favour of Assistant Director (Accounts), Forest Survey of India, Kaulagarh Road ,PO-IPE, Dehradun – 248195. All Micro and Small Enterprises (MSEs) are exempted from EMD and tender fee.
(vii)	Completion Period/Schedule	Five weeks from the date of award of contract.
(viii)	Required validity of Bid	One year from the date of receipt of bid.
(ix)	Tender Inviting Authority	Director General, Forest Survey of India, Kaulagarh Road, P.O. - IPE, Dehradun, Uttarakhand– 248195
(x)	Tender Processing Fee	₹ 3000/- + GST (Non Refundable)
(xi)	Registration Charges	₹ 2360/- (Non Refundable)

1.2 Important Dates of Tender:

S. No.	Particulars	Date & Time
(i)	Publish date and time	04-06-2019 15:00 Hrs.
(ii)	Sale / Document Download Start Date & Time	06-06-2019 17:00 Hrs
(iii)	Sale / Document Download End Date & Time	27-06-2019 17:00 Hrs.
(iv)	Pre bid conference (Venue: Forest Survey of India, Kaulagarh Road, PO-IPE, Dehradun-248195, Uttarakhand)	14-06-2019 16:00 Hrs
(v)	Online Bid Submission Start Date & Time	06-06-2019 17:00 Hrs
(vi)	Online Bid Submission Last Date & Time	27-06-2019 17:00 Hrs
(vii)	Last date of submission of cost of bidding document, EMD and other offline supporting documents to Director General, Forest Survey of India, Kaulagarh Road, P.O-IPE, Dehradun, Uttarakhand- 248195	27-06-2019 15:00 Hrs
(viii)	Date and time for opening online Technical bid	01-07-2019 15:00 Hrs
(ix)	Date and time for opening online Financial bid	To be notified after Technical Evaluation

1.3 Technical specifications and details:

Given in Part- II

1.4 Eligibility Criteria for Bidders:

S No	Basic Requirement	Specific Requirements	Documents Required
1.	Legal Entity	<p>The Sole Bidder OR Consortium</p> <ul style="list-style-type: none">• Maximum 2 members are allowed in a consortium including Lead Member.• Lead Member should be registered in India under Companies Act 1956/2013/ LLP Act 2008/Society Act or as amended and should have been in operation for at least 5 years as on date of submission of the bid.• Consortium member either should be registered in India under Companies Act 1956/2013/ LLP Act 2008 or as amended.	<ul style="list-style-type: none">• Copy of Certificate of Incorporation /Registration under Companies Act, 1956/2013.• Consortium agreement clearly stating the roles and responsibilities of each member
2.	Turnover	<p>The Sole Bidder should have average annual Turnover of ₹ 50 lakh for last 3 audited financial years (2015-16, 2016-17 and 2017-18) from GIS/IT projects including but not limited to Base Map Creation/Updating, Surveying, GIS Application Software Development, Implementation and Maintenance..</p> <p>In case of a consortium, the Lead bidder/ other consortium member should have a minimum average annual turnover of ₹ 60 lakh from GIS/IT projects including but not limited to Base Map Creation/Updating, Surveying, GIS Application Software Development,</p>	<ul style="list-style-type: none">• Audited and Certified Balance Sheet and Profit/Loss Account for the last 3 (Three) Financial Years.• Certificate from the Statutory Auditor/CA on turnover details from the “business areas” over the last 3 (Three) audited financial years (2015-16, 2016-17 and 2017-18).

		and Implementation for last 3 audited financial years (2015-16, 2016-17 and 2017-18).	
3.	Net Worth	The Sole Bidder or the Lead Member of consortium should have positive net worth as per the audited consolidated financial statements in each of the last 3 (Three) financial years (2015-16, 2016-17 and 2017-18).	Certificate from the Statutory Auditor on net worth.
4.	Blacklisting	As on date of submission of the proposal, the Sole Bidder or each members of the consortium member, in case of a Consortium, shall not be under a declaration of ineligibility for corrupt or fraudulent practices with any of the State government/ Central Government / semi government / PSU / Municipal agencies in India at the time of submission.	Undertaking by the authorized signatory as per the format given as Annexure - V
5.	Certifications	The Sole Bidder or the Lead Member of consortium should possess below Certifications which are valid till bid validity:	Valid Copy of certificates on the name of the Sole Bidder or Lead Member in case of consortium
6.	Experience	The Sole Bidder or the Lead Member of consortium/ other consortium member should have successfully completed at least one Project of Remote Sensing/GIS/ Web based GIS application development/ customization projects with the contract value not less than ₹ 25 lakh in the last 7 years as on the last date of bid submission. The Cost should not include field survey.	Copy of work order + Completion Certificates from the client

2.1 Bids of those Bidders who have not submitted the requisite Cost of bidding document and EMD (as per Instructions to Bidders (ITB) Clause 3.0 & 4.0) and documents listed under 1.4 above shall not be considered for evaluation, except in case of exemption as per Clause No. 3.2 & Clause No. 4.1 of ITB.

2.2 The bidders must fulfil the following minimum Qualifying Criteria:

2.2.1

- (i) The bidder should have experience in Remote Sensing & GIS Applications in Forest Management, Watershed Management & Natural Resources Management.
- (ii) The vendor should be a technology company with a proven record of innovation in application field using Open Source Software or Proprietary software in the field of Remote Sensing & GIS Applications in Natural Resource Management.
- (iii) The vendor should have a team of experts working in different domains with capabilities in Remote Sensing & GIS Applications.
- (iv) The company should have minimum 04 years' experience in doing similar kind of work for any Central or State Government/Public Sector Organisations.
- (v) The company should have an average annual turnover of ₹ 50 lakh in the last 3 financial years. (Enclosed the copy of Profit & Loss Account / balance Sheet & ITR).
- (vi) The company should also enclose copy of GST Registration number.
- (vii) The company should have at least three experts with PG qualification in Remote Sensing & GIS Applications out of which at least one should be have a Ph.D. degree.

2.2.2 All Start-ups (whether Micro and Small Enterprises (MSEs) or otherwise), falling within the definition as per Gazette notification- G.S.R. 501(E) dated 23.05.2017 or as amended from time to time are exempted from meeting the qualification criteria in respect of Prior Experience-Prior Turnover in public procurement subject to meeting the quality and technical specification for which necessary documents shall be submitted by such bidders.

2.2.3 The reference date for considering the period for eligibility / qualification requirements above shall be the last day of the month previous to the one in which tenders are invited.

3.0 The details/ information regarding online tendering i.e. Registration on <https://moefcc.euniwizarde.com> portal. Preparation of Bid and Submission of bid are available in the tender document and as well as on CPP Portal under 'Bidders Manual Kit'.

4.0 FSI reserves the right to reject any or all the tenders and shall not be bound to assign any reason for such rejection.

**Joint Director (FGD),
Forest Survey of India,
Phone No.: +91-135-2754507
E-mail: dgfsi@fsi.nic.in**

SECTION – II

INSTRUCTIONS TO BIDDERS
(ITB)

SECTION-II: INSTRUCTIONS TO BIDDERS (ITB):

1.0 INTRODUCTION:

Forest Survey of India (FSI) a premier national level organization under the Ministry of Environment, Forest & Climate Change, Government of India, hereinafter referred to as the 'Purchaser' invites bids for “**Services of Technical Manpower for Remote Sensing & GIS Data Processing, Interpretation and Analysis**” **From the Service Provider Firms for Activities of Monitoring & Assessment of Forests.** for the works related to different projects, assignments, R & D activities for certain periods of requirements.

(i) The bid will be received, opened and evaluated online in electronic form through Gol's E-tendering portal i.e. <https://moefcc.euniwizarde.com>. Link to reach at site is also available at FSI website i.e., www.fsi.nic.in. Bid shall be prepared and submitted in accordance with instructions contained in this Section.

(ii) The Tenders/Bids are to be submitted as per the **two-stage tender system tendering process** and all eligibility, technical and financial details should be uploaded as two separate documents.

Broad Functionalities to be incorporated in “**Services of Technical Manpower for Remote Sensing & GIS Data Processing, Interpretation and Analysis**” **From the Service Provider Firms for Activities of Monitoring & Assessment of Forests.** will be assessed during Technical evaluation of the bids (as mentioned in Annexure I).

- Financial bids of only those firms who qualify the technical evaluation will be considered by the committee.

1.2 This section of the bidding document provides the information necessary for Bidders to prepare online responsive bids, in accordance with the requirements of the Purchaser. It also provides information on online bid submission, opening, evaluation and contract award.

1.3 INSTRUCTIONS FOR ONLINE BID SUBMISSION:

This tender document has been published on the E-wizard portal <https://moefcc.euniwizarde.com/>. The bidders are required to submit soft copies of their bids electronically on the E-wizard Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the E-wizard Portal, prepare their bids in accordance with the requirements and submitting their bids online on the E-wizard Portal. More information useful for submitting online bids on the E-wizard Portal may be downloading from “Download” section available on home page on <https://moefcc.euniwizarde.com/>.

1.3.1 REGISTRATION:

(i) The Bidder is requested to visit the link Bidders Manual Kit' at

<https://moefcc.euniwizarde.com> and Central Public Procurement (CPP) Portal (URL: <http://eprocure.gov.in/eprocure/app>).

- (ii) Bidders are required to enrol on the e-Procurement Portal (URL: <https://moefcc.euniwizarde.com>) with clicking on the link “Online bidder Registration” on the e-tender Portal by paying the Registration fee of ₹ 2360/- per year through online banking.
- (iii) As part of the enrolment process, the Bidder will be required to choose a unique username and assign a password for their accounts.
- (iv) During enrolment/ registration, the Bidder should **provide the correct/ true information** including valid email-id & mobile no. All the correspondence shall be made directly with the Contractors/ Bidders through email-id provided.
- (v) For e-tendering, possession of valid **Digital Signature Certificate** (Class III Certificates with Signing +Encryption key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.), with their profile.
- (vi) Upon enrolment on e-procurement portal (URL: <https://moefcc.euniwizarde.com>) for e-tendering, the Bidder has to register their valid Digital Signature Certificate with their profile.
- (vii) Only one valid DSC should be registered by a Bidder. Bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse and should ensure safety of the same.
- (viii) Bidder can then log into the site through the secured login by entering their user ID/ password and the password of the DSC/ e-Token.

1.3.2 SEARCHING FOR TENDER DOCUMENTS:

- 1) Bidder can search any tender by clicking on “Live Tender” under search option on Home Page. Once the bidders have selected the tenders they are interested in, they may download the required documents after clicking on “Tender Document”.
- 2) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

1.3.3 PREPARATION OF BIDS:

- (i) Bidder shall go through the tender document carefully to understand the documents required to be submitted as part of the bid. Bidders shall note the number of covers in which the bid documents have to be submitted, the number of documents – including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- (ii) Any pre-bid clarifications if required, then same may be obtained online through the tender site, or through the contact details given in the tender document.

(iii) Bidders should get ready in advance the bid documents to be submitted as indicated in the tender document/schedule in pdf/xls/rar/zip/ jpg/ dwf formats. If there is more than one document, they can be clubbed together using zip format. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.

(iv) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such documents (e.g. GST registration copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use “My Document” available to them to upload such documents. These documents may be directly attached from the “My Document” library while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

1.3.4 SUBMISSION OF BIDS:

(i) Bidder should log into the site well in advance for bid submission so that he/ she upload the bid in time i.e. on or before the bid submission time.

(ii) Bidder should prepare the Cost of bidding document/ EMD as per the instructions specified in the tender document. The original Cost of bidding document/ EMD should be posted/ couriered/ given in person to the concerned official, latest by the last date of bid submission or as specified in the NIT/ tender documents. The details of the DD/ any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid shall be liable for rejection.

(iii) Bidders should select the payment option as “offline” to pay the Cost of bidding document and EMD upload copy of scanned document i.e. DD/BC/BG.

(iv) Bidder should digitally sign and upload the required bid documents one by one in respective “Tender Cover” as indicated in the tender document.

(v) Bidders should note that, the very act of using DSC for downloading the tender document and uploading their offers is deemed to be a confirmation that they have read all sections and pages of the tender document without any exception and have understood the complete tender document and are clear about the requirements of the tender document.

(vi) Bidders are requested to note that each document to be uploaded for the tender should be less than 2 MB. If any document is more than 2 MB, it can be reduced through zip/rar and the same can be uploaded. For the file size of less than 1 MB, the transaction uploading time will be very fast.

(vii) Utmost care shall be taken for uploading ‘Schedule of Quantities & Prices’ and any change / modification of the price schedule shall render it unfit for bidding.

Bidder shall download the Schedule of Quantities & Prices i.e. BOQ_XXXX.xls, in XLS format and save it without changing the name of the file. Bidder shall fill their respective rates in figures (financial quotes) and other details (such as name of Bidder) in light blue background cells, thereafter save and upload the file online in financial/price bid (Finance) cover without changing the filename. No other cell should be changed.

Bidders are requested to note that they should necessarily submit their financial bids in the 'Finance' cover in the format provided and no other format is acceptable. **If the template of "Schedule of Quantities & Prices" file is found to be modified/ tampered by the Bidder, the bid shall be rejected and further dealt as per provision of clause no. 12.0 of ITB including forfeiture of EMD.**

The Bidders are cautioned that uploading of financial bid elsewhere i.e. other than in financial cover shall result in rejection of the tender.

(viii) Bidder should submit their bids through online e-tendering system to the Tender Inviting Authority (TIA) well before the bid submission end date & time (as per Server System Clock). The TIA will not be held responsible for any sort of delay or the difficulties faced during the submission of bids online by the Bidder at the eleventh hour.

(ix) After the bid submission (i.e. after clicking —Freeze Bid Submission in the portal), the Bidder should take print out of system generated acknowledgement number, and keep it as a record of evidence for online submission of bid, which will also act as an entry pass to participate in the bid opening.

(x) Bidder should follow the server time being displayed on Bidder's dashboard at the top of the tender site, which shall be considered valid for all actions of requesting, bid submission, bid opening etc., in the e-tender system.

(xi) All the documents being submitted by the Bidder would be encrypted using PKI (Public Key Infrastructure) encryption techniques to ensure the secrecy of the data. The data entered can not be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subject to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers / bid openers public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.

1.3.5 ASSISTANCE TO BIDDERS:

1) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to inviting authority of the tender.

2) Any queries relating to the process of online bid submission or queries relating to e-tendering Portal in general may be directed to the e-Wizard Helpdesk. The contact number for the helpdesk is **Mr. Amrendra Kumar: 09015535108 & 9355030628, Email:ewizardhelpdesk@gmail.com, Ph: 011-49606060.**

Toll Free Number 1800-3070-2232. Mobile No. +91-7878007972 and +91-7878007973.

2.0 Eligibility Criteria for Bidders:

2.1 Bids of those Bidders who have not submitted the requisite Cost of bidding document and EMD (as per Instructions to Bidders (ITB) Clause 3.0 & 4.0) shall not be considered for evaluation, except in case of exemption as per Clause No. 3.2 & Clause No. 4.1 of ITB.

2.2 The bidders must fulfil the following minimum Qualifying Criteria: -

2.2.1

- (i) The vendor should have a team of experts working in different domains pertaining to Remote Sensing & GIS Applications.
- (ii) The company should have minimum 04 years' experience in doing similar kind of work for any Central or State Government/Public Sector Organisations.
- (iii) The company should have an average annual turnover of ₹ 50 lakh in the last 3 financial years. (Enclose the copy of Profit & Loss Account / balance Sheet & ITR).
- (iv) The company should also enclose copy of GST Registration number.
- (v) RS & GIS infrastructure available with the firm should have legally valid licenses of commercial software used in the assigned projects/works.

(vi) In case a bidder is participating in a tender on behalf of one vendor, he is not allowed to participate/ quote on behalf of another vendor in this tender or in a parallel tender for the same item.

(vii) Bidder must produce with their Bid – PAN and Goods & Services Tax Identification No. (GSTIN).

(viii) The individual(s) signing the Bid or other documents in connection with the Bid must attach the Power of Attorney in his/their name as a part of Pre-Qualification Bid. In case of non-submission of valid Power of Attorney, the Bid is liable to be rejected.

2.2.2 The reference date for considering the period for eligibility / qualification requirements above shall be the last day of the month before the one in which tenders are invited.

2.3 Bids of only those Bidders who are meeting the Eligibility Criteria specified above will be considered for evaluation and award of the contract. Bidders will submit duly notarized requisite supporting documents [as per clause 2.2.2 & clause 2.2.3 of NIT] and testimonials with their Bids

to prove their credentials and claim of meeting the Eligibility Criteria.

Note: Mere downloading of Bid document by the prospective Bidder shall not be construed that such a bidder automatically fulfills the prescribed eligibility criteria. Whether the bidder meets the specific eligibility criteria or not, shall be checked or ascertained, on opening their bids by scrutinizing documentary evidences furnished by them along with their bid.

3.0 Cost of bidding document:

3.1 Complete bid document can be viewed and downloaded from FSI website www.fsi.nic.in or <https://moefcc.euniwizarde.com> and Central Public Procurement (CPP) Portal <https://eprocure.gov.in/eprocure/app>. The interested bidders will have to deposit the amount of ₹ 1000/- (non-refundable) towards tender fee through bharatkosh (<https://bharatkosh.gov.in>). The bidder shall fill the Cost of bidding document details online and submit DD to Tender Inviting Authority i.e. Director General, Forest Survey of India, Kaulagarh Rod, P.O IPE, Dehradun-248195 Phone No.: [+91-135-2754507](tel:+91-135-2754507), E-mail: dgfsi@fsi.nic.in on or before the date as specified in NIT.

3.2 The Bidder shall bear all costs associated with the preparation and submission of his bid, and the Purchaser will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

4.0 Bid Security / Earnest Money Deposit (EMD):

4.1 Bidder shall submit along with the bids, the requisite Bid Security / EMD for an amount of ₹ 1,00,000/- (₹ One lakh) only as given in NIT appended hereto. Bid security / EMD may be deposited in the form of Crossed Demand Draft/ Bank Guarantee in favour of 'Assistant director (Accounts)' FSI Kaulagarh Road, PO-IPE, Dehradun. Failure to do so may prevent a tender from being considered.

Micro and Small enterprises (MSEs) Units registered with NSIC under their Single Point Registration Scheme having Udyog Aadhar Memorandum for the goods / services are exempted from furnishing the Bid Security / EMD.

They should furnish with the Bid a Notarized copy of the valid registration certificate / Entrepreneurs Memorandum (EM-II) details / other relevant documents issued by above board / body in their favours, for the goods / services covered under this Tender document. No other bidders are exempted from furnishing Bid Security / EMD as mentioned above.

Start-ups as recognized by Department of Industrial Policy & Promotion (DIPP) are exempted from furnishing the bid Security/ EMD. They should furnish with the Bid a Notarized copy of the valid certificate of recognition issued by DIPP. No other bidders are exempted from furnishing Bid Security / EMD except as mentioned elsewhere in the document.

4.2 The bidders shall not be entitled, during the period of validity of their offers without the consent

in writing of the Purchaser, to revoke or withdraw their bids or vary in any respect their offer or any terms and conditions thereof. In case of a bidder revoking or withdrawing his Bid or varying any terms and conditions in regard thereto, without the consent of the Purchaser in writing during the period of validity of his offer, the Purchaser shall forfeit the Bid Security / EMD furnished by the bidder along with his offer.

In addition to this the bidder may at the discretion of the Purchaser, be debarred from bidding for a period as may be considered fit by the Purchaser, against any Bid that might be invited by the Purchaser in future. The Purchaser will also be within its rights to circulate the information, at its discretion to other prospective purchasers about the bidder having withdrawn his offer within the validity period.

4.3 Bids received unaccompanied by either an acceptable Bid Security / EMD or a notarized photocopy of valid certificate of registration stated as above shall be rejected as being non-responsive.

4.4 Bid Security / EMD of the successful bidder will be returned when the bidder has furnished requisite Performance Guarantee as stipulated in Terms and Conditions of Contract (T&C). Bid Security / EMD of bidders who are not qualified for opening of price bid shall be returned within 15 days after such notification. The Bid security / EMD of all the unsuccessful bidders whose price bid has been opened will be returned within 15 days of notification of the award of Contract to the successful bidder. The Earnest Money of unsuccessful bidders shall be remitted by the Employer in the account mentioned in ECS Form (Annexure-II) through ECS mode.

4.5 The Bid Security / EMD shall be forfeited:

(a) If the Bidder withdraws its bid or varies any terms & conditions, without the consent of the Purchaser, in regard thereto during the period of Bid validity specified by the bidder; or

(b) If the bidder indulges in Corrupt, Fraudulent, Collusive or Coercive practice(s) as mentioned in the clause 12.0 of ITB; or

(c) If the bidder does not accept the correction of its Bid Price pursuant; or

(d) If the successful bidder having been notified of the acceptance of its Bid by the Purchaser during the period of Bid validity refuses to accept / execute the Order or fails to enter into Contract Agreement when required; or

(e) In the case of a successful Bidder, if the Bidder fails within the specified time limit to furnish the required Performance Security in accordance with T&C.

5.0 The bidder shall prepare the bid and submit the bid online only on —**Electronic Tendering**

System” in following manner:

5.1 ONLINE SUBMISSION:

A Pre-bid conference will be held at FSI Dehradun on **14-06-2019 04:00 pm** onwards wherein the technical specifications of the services required by the purchaser will be explained to have clarity on the matter. Bidders are free to attend the conference.

5.1.1 Cover-1: Technical Bid:

Online bids should be submitted containing scanned copy of following document in Cover-1:

- i) All Documents establishing conformity to the Eligibility Criteria as mentioned at Clause 2.0 of ITB.
- ii) Demand Draft/Banker's Cheque/Notarized copy of valid relevant MSEs Certificate towards Cost of bidding document.
- iii) Demand Draft/Banker's Cheque/Bank Guarantee/Notarized copy of valid relevant MSEs Certificate towards Bid Security / EMD.
- iv) Annexure – I: Bid Performa & Annexure – V (Self Declaration by the Bidder)
- v) Annexure – II: Electronic Clearance System (ECS) Form.
- vi) Copy of PAN and GSTIN
- vii) Scanned copy of Power of Attorney along with authority of executants.
- viii) Annexure – III: Declaration regarding applicability of Micro, Small & Medium Enterprise under MSMED Act, 2006 along with notarized copy of the certificate.
- ix) Annexure – IV: Declaration regarding applicability of Start-Ups under Start-Up India Initiative along with notarized copy of certificate.

5.1.2 Cover-2: FINANCIAL BID (PRICE-BID):

The Financial Bid (Price Bid) shall be submitted in electronic form in conformity with the tender specifications on the portal only by the time & date as specified in NIT.

Submission of the Financial Bid (Price Bid) by any other means shall not be accepted by the Purchaser in any circumstances.

Online submission of the bid will not be permitted on the portal after expiry of submission time and the Bidder shall not be permitted to submit the same by any other mode.

5.2 OFFLINE SUBMISSIONS:

Hard copy / Supporting documents:

The scanned copy(ies) of all the offline documents (hard copies) are to be uploaded online on the portal along with the Bid as provided in ITB clause 5.1.

- i) DD / Banker's Cheque / Notarized copy of valid relevant MSEs Certificate towards cost of bidding document.
- ii) DD / Banker's Cheque / Notarized copy of valid relevant MSEs Certificate towards Bid Security / EMD.
- iii) Power of Attorney along with authority of the executants.

Hard copy of online documents, if desired by the Purchaser, shall be submitted by the bidder in due course of time.

These envelope(s) shall not contain anything else. This part of bid should not contain any **"Price information"**.

If any discrepancy is found between the Hard Copies of the offline documents viz. DD towards Cost of bid document & DD towards Bid Security / EMD, Power of Attorney and scanned copy of same uploaded online then the online bid shall be liable for rejection.

5.3 The online bid (Technical Bid and Price Bid) shall be submitted up to the due date & time indicated in the NIT or any extension thereof. Offline documents (as specified at Clause No. 5.2 above) in Physical Form shall be received by the Purchaser at the address specified in the Invitation for Bids (Notice Inviting e-Tender) not later than the time and date stated in the Invitation for Bids or any extension thereof. In the event of the specified date for submission of Offline documents being declared a holiday for the Purchaser, the same will be received up to the appointed time on next working day. However, the date and time for online submission of the Bids shall continue to be the date and time specified or amended, if any.

5.4 The Purchaser reserves the right to itself to postpone and/or extend the date of receipt or to withdraw the Bid notice, without assigning any reason thereof, entirely at its discretion. In such an event, bidders shall not be entitled to any compensation, in any form whatsoever.

6.0 Bid Performa:

The bidder should fill in the Bid Performa appended as Annexure-I herewith and submit the same online

7.0 ECS Form:

Bidders are required to submit duly filled in ECS Form appended as **Annexure-II** herewith and submit the same online.

8.0 Online opening of Bids by Purchaser:

8.1 The Purchaser will open the Bids online on the date as specified in NIT or any extension thereof. In the event of the specified date or amendment if any for the opening of bids/offline documents being declared a holiday for the Purchaser, the opening shall be carried out at the specified time on the next working day.

8.2 Initially, the 'Technical Bid 'shall be opened and the 'Price Bid 'of only those bidders whose Technical bid is acceptable to the Purchaser shall be considered online subsequently. The decision of the Purchaser is final and binding in this regard.

9.0 Evaluation of Bids:

9.1 Part bids i.e. bids for supply of part of the procurements will not be considered for evaluation. Bids for supply of all the three components of the procurement will only be considered. The Purchaser will examine the bids to determine whether they are complete, whether any computational errors have been made, whether the documents have been properly signed and whether the bids are generally in order and conforms to all the terms, conditions and specifications of the bid documents without any deviations.

The Purchaser will, thereafter check and ascertain whether the bidder fulfils the Eligibility criteria and other requirements specified under ITB Clause 2.0. The Bids submitted by the Bidders who meet the Eligibility Criteria set under ITB Clause 2.0 shall only qualify for consideration and further technical evaluation by the Purchaser.

The Purchaser's determination of a Bid's responsiveness is to be based on the contents of the Bid itself without recourse to extrinsic evidence. If a Bid is not substantially responsive, it will be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the nonconformity.

9.2 Prior to the detailed evaluation, the Purchaser will determine whether each bid is of acceptable quality, is generally complete and is substantially responsive to the bidding documents. For purposes of this determination, a substantially responsive bid is one that conforms to all the terms, conditions and specifications of the bidding documents without material deviations, objections, conditionality or reservations.

A material deviation, objection, conditionality or reservation is one:

- (i) that affects in any substantial way the scope, quality or performance of the Contract;
- (ii) that limits in any substantial way, inconsistent with the Bidding Documents, the Purchaser 's rights or the successful Bidder 's obligations under the Contract; or
- (iii) whose rectification would unfairly affect the competitive position of other Bidders who are presenting substantially responsive Bids.

The Purchaser may waive any minor informality, non-conformity or irregularity in a Bid that does not constitute a material deviation, and that does not prejudice or affect the relative ranking of any Bidder as a result of the technical and commercial evaluation, as per clause 10.1 of ITB.

Also, if any discrepancy is found between the Hard Copies of the offline documents viz. DD towards cost of bid document & DD towards Bid Security / EMD, Power of Attorney, and scanned copy of same uploaded online, then the online bid may be liable for rejection.

9.2.1: Scoring for Technical Evaluation:

The Technical evaluation committee appointed by DG, FSI will carry out its evaluation applying the evaluation criteria and point system. Each responsive proposal will be attributed a technical score (St.). The technical proposal should score at least **70 points out of 100** to be considered for financial evaluation.

9.3 The bidder shall quote for the individual items mentioned in the Price Bid. The evaluation of the bids shall be done based on the total price as per BOQ XXXX: Schedule of Quantities & Prices of Section-III

9.4 All applicable taxes, duties and levies as mentioned in BOQ XXXX i.e. Schedule of Quantities & Prices of Section-III shall be considered for the purpose of evaluation of bids.

9.5 Any adjustments in price that result from the above procedures shall be added, for purposes of comparative evaluation only, to arrive at an 'Evaluated Bid Price '. Bid prices quoted by Bidder shall remain unaltered.

9.6 Scoring for Financial Evaluation:

The evaluation committee will determine if the financial proposals are complete and without computational errors. The lowest financial proposals (Fm) will be given a financial score (Sf) of 100 points. The financial scores of other proposals will be computed as follows $Sf = 100 \times Fm/F$ (Where F is amount of financial proposal).

9.7 Ranking of Bids:

Bids will finally be ranked according to their combined technical (St) and financial (Sf) scores using the formula $S = St \times T\% + Sf \times F\%$. The weight (T%) given to the Technical Proposal is 60%. The weight (F%) given to the Financial Proposal is 40%.

9.8 Technical and Financial evaluation will be done in a composite manner taking into consideration proposal in the bids for all the three components of the procurement.

10.0 Award Criteria & Purchaser's Right to accept any bid and to reject any or all Bids:

10.1 The Purchaser reserves the right to accept or reject any bid, or cancel/ withdraw the invitation to Bid for any reason, including National Defense and security conditions, and annul the Bidding process and reject all bids at any time prior to the award of Contract, without thereby incurring any liability to the affected Bidder or Bidders. However, the Bidder(s), who wish to seek reasons for such decision of cancellation/ rejection, shall be informed of the same by Purchaser unless its disclosure reasonably could be expected to affect the sovereignty and integrity of India, the security, strategic, scientific or economic interest of the State, relation with foreign state or lead to incitement of an offence.

10.2 The Purchaser shall not be bound to accept the lowest or any bid and reserves to itself the right of accepting whole or a portion of any of the bid as it may deem fit, without assigning any reason thereof.

10.3 Canvassing in any form or any approach, official or otherwise, by the Bidder to influence the consideration of his bid shall render the bid liable to summary rejection.

10.4 Subject to ITB Clause 10.1 and 10.2, the Purchaser shall award the contract to the successful Bidder whose bid has been determined to be substantially responsive and to be the highest ranked bid, further provided that the Bidder is determined to be qualified to perform the contract.

10.5 The scoring arrived at in terms of clause 9.0 shall be considered for the comparison and evaluation of the bids. However, for the purpose of award of work, the combined ranking as per clause 9.0 of ITB shall be considered.

11.0 Corrupt, Fraudulent, Collusive or Coercive Practices:

It is expected from the Bidders/ Vendors/ Contractors that they will observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy:

(a) For the purpose of this provision, the terms set forth below shall mean as under:

(i) "**corrupt practice**" means the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution; and

(ii) "**Fraudulent practice**" means a misrepresentation/ omission of facts in order to influence a

procurement process or the execution of a contract.

(iii) “**Collusive practice**” means a scheme or arrangement between two or more Bidders, with or without the knowledge of the Purchaser, designed to establish bid prices at artificial, non-competitive levels; and

(iv) “**Coercive practice**” means harming or threatening to harm, directly or indirectly, person or their property to influence their participation in a procurement process or affect the execution of a contract;

(b) A Bid may be rejected by the Purchaser if it is determined at any stage that the respective Bidder has engaged in corrupt, fraudulent, collusive and coercive practices as mentioned above in competing for the contract in question.

(c) The Purchaser may declare a bidder ineligible, either indefinitely or for a stated period of time, if it at any time determines that the firm has engaged in corrupt or fraudulent practices, Collusive and Coercive practices in competing for, or in executing, a contract.

(d) **Banning of Business Dealings:** It is not in the interest of FSI to deal with Agencies who commit deception, fraud or other misconduct in the tendering process and/or during execution of work undertaken. The grounds on which Banning of Business Dealings can be initiated are as follows:

(i) If the security consideration, including questions of loyalty of the Agency to FSI so warrants;

(ii) If the director/owner of the Agency, proprietor or partner of the firm, is convicted by a court of law for offences involving moral turpitude in relation to its business dealings with the Government or any other public sector enterprises, during last five years;

(iii) If the Agency has resorted to Corrupt, Fraudulent, Collusive, Coercive practices including misrepresentation of facts and violation of the any provisions provided in the Contract;

(iv) If the Agency uses intimidation / threatening or brings undue outside pressure on FSI or its official for acceptance / performances of the job under the contract;

(v) If the Agency misuses the premises or facilities of the FSI, forcefully occupies or damages the FSI 's properties including land, water resources, forests / trees or tampers with documents/records etc.;

(vi) If the Agency does not fulfill the obligations as required under the Contract and Violates terms & conditions of the contract which has a serious affect for continuation of the Contract.

(vii) If the work awarded to the agency has been terminated by FSI due to poor performance of the

contract in the preceding 5 years.

(viii) If the Central Vigilance Commission, Central Bureau of Investigation or any other Central Government investigation Agency recommends such a course in respect of a case under investigation or improper conduct on agency's part in matters relating to the FSI or even otherwise;

(ix) On any other ground upon which business dealings with the Agency is not in the public interest.

(x) If business dealings with the Agency have been banned by the Ministry of Environment, Forest & Climate Change, Government of India OR any PSU/ any other authority under the MOEF&CC if intimated to FSI or available on MOEF&CC Website, the business dealing with such agencies shall be banned with immediate effect for future business dealing without any further investigation.

(Note: The examples given above are only illustrative and not exhaustive. The Competent Authority may decide to ban business dealing for any good and sufficient reason).

12.0 Check List (This Check List duly tick marked shall be submitted online)

S. No.	Document Required	Action required	Submitted Please tick (✓)
1.	Notarized copies of Documentary evidences in Support of the qualification criteria as per ITB Clause No. 2.0.	To be uploaded online.	
2.	Cost of bidding document	To be submitted in hard copy and uploaded online.	
	(i) DD amounting to ₹_____ /-		(i)
	Or		Or
	(ii) Notarized copy of valid Certificate towards Exemption of Cost of bidding document.		(ii)
3.	Bid Security / EMD	To be submitted in hard copy and uploaded online.	
	(i) DD Amounting to ₹_____ /-		(i)
	Or		Or
	(ii) Notarized copy of certificate towards exemption of Bid Security / EMD.		(ii)
4.	Power of Attorney along with authority of executants.	To be submitted in hard copy and uploaded online.	
5.	ECS Form	To be uploaded online duly filled in.	
6.	PAN - Copy of PAN card	To be uploaded online	
7.	GST - Copy of GST certificate	To be uploaded online	
8.	MSMED declaration as per Performa. (If MSME exemptions are sought)	To be uploaded online duly filled in	
9.	Bid Performa	To be uploaded online duly filled in	
10.	Schedule of Quantities & Prices i.e. Financial Bid (Price Bid) of Section-III	To be filled online	

S. No.	Document Required	Action required	Submitted Please tick (✓)
11.	Copy of Authorized Dealer Certificate from OEM	To be uploaded online duly filled in	

Four Key Instructions for Bidders:

Note: The following **Four Key Instructions for Bidders** must be assiduously adhered to:

i) Obtain individual Digital Signature Certificate (DSC or DC) well in advance of tender submission deadline.

ii) Register your Organization on <https://moefcc.euniwizarde.com> portal well in advance of tender submission deadline.

iii) Get your Organization's concerned executives trained on <https://moefcc.euniwizarde.com> portal well in advance of tender submission deadline.

iv) Submit your bids well in advance of the tender submission deadline on the portal (There could be last minute problems due to internet timeout, breakdown, etc.) While the first three instructions mentioned above are especially relevant to first-time users of the portal, the fourth instruction is relevant at all times.

Note: Electronic procurement system will not allow any Bidder to place their bids after the expiry of scheduled date & time. FSI/ NIC-CPPP shall not be responsible for any delays/problems related to bandwidth, connectivity etc., which are beyond the control of the FSI/ NIC-CPPP."

Annexure- I

(To be filled and uploaded online)

BID PROFORMA

S. No.	Description of information	Replies by the bidder	
1.	Name of the firm		
2.	Complete address of Regd./ Head Office		
	i) Postal ii) Telephone/ Fax iii) E-mail		
3.	Former name of the Firm (in any)		
4.	Type of the firm (Proprietary/ Partnership/ Private Ltd. Co. / Public Ltd. Co.)		
5.	Whether MSE or Start-Up (tick in the appropriate box)	MSE	Start-Up
6.	Year and place established		
7.	Are you registered with any Government/ (if yes, give details)for supply of similar services covered Under the Specifications		
8.	Have your company ever been declared Bankrupt (if yes, give details)		
9.	Validity period of tender, reckoned from the last date of online bid submission	120 days	
10.	Whether all technical particulars, drawings etc., furnished and filled in all schedules, appended to the tender documents.		
11.	Rate of Taxes & Duties	(Mention here only % rates as applicable)	
	1. Supply: a) GST		(%)
	b) Any other Tax, if any		(%)
	2. Transportation & Insurance Charges: a) GST		(%)
	b) Any other taxes & duties etc.		(%)
12.	Goods & Services Tax Identification No. (GSTIN)		

Place: _____

Date: _____

For & on behalf of

Signature : _____

Name: _____

Designation : _____

(of the authorized representative of the bidder)

Official seal of the Company:

Annexure- II

(To be filled and uploaded online)

ELECTRONIC CLEARING SERVICE (ECS) – Form

ELECTRONIC CLEARING SERVICE (CREDIT CLEARING)

DECLARATION / UNDERTAKING:

A) I/We confirm that the provisions of Micro, Small & Medium Enterprise are applicable/not applicable to us and our organization falls under the definition of:

- a. - Micro Enterprise
- b. - Small Enterprise
- c. - Medium Enterprise

Please tick in the appropriate option box and attach documents/certificate, if any.

B) I/We also confirm that we are MSEs owned by SC/ST Entrepreneurs (Strike out if not applicable)

C) I/We also undertake to inform the change in this status as aforesaid during the currency of the contract, if any.

(Authorized Representative of Firm)

Annexure-IV
(to be filled and uploaded online)

Declaration Regarding Applicability of Start Ups under Start-Up India Initiative

DECLARATION / UNDERTAKING

A) I/We confirm that the provisions of Start-Up India Initiatives are:

Applicable to us and our organization falls under the definition of Start-Ups.

Not applicable to us and our organization does not fall under the definition of Start-Ups.

Please (tick) the appropriate box [] and attach documents / certificates, if any.

B) I/We also undertake to inform the change in this status as aforesaid during the currency of the contract, if any.

(Authorized Representative of Firm)

Annexure-V
(to be filled and uploaded online)

DECLARATION

1. I,.....Son/Daughte
r/Wife of

Shri.....
..... , Proprietor/Director/authorized signatory of the Agency mentioned above, is competent to sign this declaration and execute this tender document.

2. I, have carefully read and understood all the terms and conditions of the tender and undertake to abide by them;
3. The information/documents furnished along with the above application are true and authentic to the best of my knowledge and belief. I/we, am/ are well aware of the fact that furnishing of any false information/fabricated document would lead to the rejection of my tender at any stage besides liabilities towards prosecution under appropriate law.
4. Certified that (Name of the Agency) is an Authorized Dealer of (Name of OEM) for supply of
.....
.....
5. Certified that the agency has not been black listed /security deposit has not been forfeited in case of the agency during the last five years.

Signature of authorized person

Date:

Full Name:

Place:

Seal

SECTION – III

**TERMS AND CONDITIONS OF CONTRACT
(T&C)**

Section–III: Terms and Conditions of Contract (T&C):

1.0 Scope of the Work: “Services of Technical Manpower for Remote Sensing & GIS Data Processing, Interpretation and Analysis” From the Service Provider Firms for Activities of Monitoring & Assessment of Forests.

2.0 Prices, Taxes & Duties:

2.1 Prices shall be Firm and on F.O. R, i.e. FSI, Dehradun inclusive of charges for all applicable

taxes and duties.

2.2 Taxes, duties and levies, as applicable twenty-eight (28) days prior to deadline for submission of bids, shall be mentioned separately in Price Bid i.e. Schedule of Quantities & Prices (Section-III).

2.3 All taxes & duties mentioned in the Price Bid as per clause 2.2 above shall be paid/ reimbursed against proper invoice as per rules/documentary evidence and restricted to the total amount of Taxes and Duties in Price Bid subject to clause 2.4 below. No other taxes and duties shall be payable / reimbursable by FSI.

2.4 Statutory variation, in Taxes and Duties or levy of any new Tax after 28 (Twenty-Eight) days prior to deadline for submission of bid will be adjusted/reimbursed against production of documentary evidence.

3. Transit Insurance:

Not Applicable.

4. Terms of Payment:

Payment towards services will be made on completion of work subject to satisfactory performance during the contract period.

In case of MSE:

All the payments for the supplies and/ or services [*as applicable*] rendered by MSEs (Micro & Small Enterprises) Vendor/ Contractor under the Contract shall be released within forty-five (45) days from the day of acceptance*.

In case, payment is not released as mentioned above, FSI shall pay the principal amount plus compound interest with monthly rests from the date of immediately following the date agreed upon @ three times of bank rates as notified by Reserve Bank of India from time to time.

***Day of Acceptance means** - day of the actual delivery of goods or the rendering of services; where any objection is made in writing by the buyer regarding acceptance of services within fifteen (15) days from the date of delivery of the goods or the rendering of services, the day on which such objection is removed by the Vendor.

In case of non-MSE:

All the payments for the supplies and/or services [*as applicable*] rendered by non-MSEs (non-Micro & Small Enterprises) Vendor/ Contractor under the Contract shall be released within forty-five (45) days from the receipt of invoice/ bills from the Contractor/ Vendor complete in all

respect. In case, payment is not released as mentioned above, FSI shall pay the principal amount plus simple interest from the date immediately following the date agreed upon @ 8% (eight percent) per annum.

5. Delivery Period:

The delivery schedule from the date of issue of the Letter of Award of the contract is stated as below:

(i)	Services of Technical Manpower for Remote Sensing & GIS Data Processing, Interpretation and Analysis From the Service Provider Firms for Activities of Monitoring & Assessment of Forests.	The contract will start within four weeks of the award of the contract or the period specified in the work order. The services may be required on as and when basis.
-----	--	--

6. Liquidated Damages:

If the Vendor fails to attain the above objectives of the work/service or any part thereof within the prescribed time for completion under clause 5.0 or any extension thereof (due to delays not attributable to the Vendor), the Vendor shall pay to the Purchaser liquidated damages equal to the amount computed @ 1/2 (half) percent per week or part thereof of the Contract Price. The aggregate amount of such Liquidated damages shall in no case exceed 5% of the Contract Price. However, cost compensation for any time extension shall not be paid.

7. Performance Guarantee:

Within 28 days of receipt of Supply Order, the Vendor shall furnish to the Director General, FSI a Performance Guarantee in the form of Demand Draft/ Bank Guarantee from an Indian Nationalized Bank or any Scheduled Bank in India as per the format appended as **Annexure-VI** herewith for an amount equal to (10) ten percent of the contract price by way of guarantee valid till three months beyond the warrantee period as mentioned in the Tender Document for the due and faithful performance of the contract along with the other terms and conditions agreed to.

The Performance Guarantee shall be released after successful completion of the warrantee period. The Performance Guarantee amount will not earn any interest in whatsoever period detained by FSI. The Contractor shall communicate the following bank details to the issuing Bank for online confirmation of Bank Guarantee to be submitted in terms of this clause:

Name of the beneficiary: _____

Account No.: _____

IFSC Code: _____

Address of the Bank: _____

8. General:

The Purchaser reserves to itself the right to take over the part or full contract from the Vendor after the award of the Contract or during the execution of Contract without assigning any reason.

9. Officer-In-Charge:

Director General, Forest Survey of India shall be an Officer-In-Charge of the aforesaid contract.

10. Consignee:

Director General, Forest Survey of India, Kaulagarh Road, P.O- IPE, Dehradun – 248195.
Contact No:+91-135-2754507 Fax No: +91-135-2756139, Email: dgfsi@fsi.nic.in

11. Paying Authority:

Assistant Director (Accounts), Forest Survey of India, Kaulagarh Road, P.O IPE, Dehradun – 248195.

12. Court of Competent Jurisdiction:

Any action taken or proceedings initiated on any of the terms of this Agreement shall be only in the court of competent jurisdiction under the Local Competent Court of Dehradun.

13. Technical Specifications:

S.NO.	DESCRIPTION	Parameters	Points
1	Company Profile		
1.1	The firm should have executed at least one NRM project involving applications of Remote Sensing & GIS for State Govt. or Central Govt./Govt. aided Institutes/ Organizations in the last seven years with minimum value of ₹ 25 Lakh each. (Documentary evidence as in Work Order/ Work Certificate/Proof of Supply documents to be provided)	1-2	15
		>2	30
1.2	Team Composition (The vendor should have a team of experts working in different domains with the capabilities of RS & GIS to	Up to 5	10

S.NO.	DESCRIPTION	Parameters	Points
	develop the applications on Forest related themes.	>5	20
1.3	The firm should have professionals with Ph. D. degree in the team on a topic involving RS & GIS applications in NRM.	1-2	10
		>2	20
1.4	Whether based in Dehradun?	10 is Yes 0 if No	
	TOTAL (Maximum Marks)	80 marks	
2	Presentation by the Firm Applications/Case Studies	20	
	TOTAL (1 + 2)	100	

BANK PERFORMANCE GUARANTEE

Bank Guarantee

(To be stamped in accordance with Stamp Act if any, of the Country of the issuing Bank)

Bank Guarantee No. Date

To,
[Purchaser's Name & Address]

Dear Sirs,

In consideration of the ... [Purchaser's Name]
(Hereinafter referred to as the Purchaser which expression shall unless repugnant to the context or meaning thereof, include its successors, administrators and assigns) having awarded to M/s [Vendor's Name]with its Registered/Head Office at..... (Hereinafter referred to as the Vendor , which expression shall unless repugnant to the context or meaning thereof, include its successors administrators, executors and assigns), a Contract by the issue of Purchaser 's Letter of Acceptance No. dated and the same having been acknowledged by the Vendor, for[Contract sum in figures and words] for[Name of the Supply] and the Vendor having agreed to provide a Contract Performance Guarantee for the faithful performance of the entire Contract equivalent to(*) of the said value of the aforesaid supply under the Contract to the Purchaser.

We..... [Name & Address of the Bank] ...
..... having its Head Office at (Hereinafter referred to as the Bank, which expression shall, unless repugnant to the context of meaning thereof, include its successors, administrators, executors and assigns) do hereby guarantee and undertake to pay the Purchaser, on demand any and all monies payable by the Vendor to the extent of (*) as aforesaid at any time up to (@) [days/month/year] without any demur, reservation, contest, recourse or protest and/or without any reference to the Vendor. Any such demand made by the Purchaser on the Bank shall be conclusive and binding notwithstanding any difference between the Purchaser and the Vendor or any dispute pending before any Court, Tribunal, Arbitrator or any other authority. The Bank undertakes not to revoke this guarantee during its currency without previous consent of the Purchaser and further agrees that the guarantees herein contained shall continue

to be enforceable till the Purchaser discharges this guarantee or till[days/month/year] whichever is earlier.

The Purchaser shall have the fullest liberty, without affecting in any way the liability of the Bank under this guarantee, from time to time to extend the time for performance of the Contract by the Vendor. The Purchaser shall have the fullest liberty, without affecting this guarantee, to postpone from time to time the exercise of any powers vested in them or of any right which they might have against the Vendor, and to exercise the same at any time in any manner, and either to enforce or to forbear to enforce any covenants, contained or implied, in the Contract between the Purchaser and the Vendor or any other course or remedy or security available to the Purchaser. The Bank shall not be released of its obligations under these presents by any exercise by the Purchaser of its liberty with reference to the matters aforesaid or any of them or by reason of any other act or forbearance or other acts of omission or commission on the part of the Purchaser or any other indulgence shown by the Purchaser or by any other matter or thing whatsoever which under law would, but for this provision have the effect of relieving the Bank.

The Bank declares that this Bank Guarantees issued by the Bank, utilizing the credit limit of M/S..... (Name of contractor) and also agrees that the Purchaser at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor, in the first instance without proceeding against the Vendor and notwithstanding any security or other guarantee the Purchaser may have in relation to the Vendor's liabilities.

- i) Our liability under this Bank Guarantee shall not exceed
- ii) This Bank Guarantee shall be valid up to
- iii) We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only and only if Purchaser serve upon Bank a written claim or demand

on or before @.....

Dated this day of 20... ..
at.....

WITNESS

1
 (Signature)
 (Name)
 (Official Address)

2.
 (Signature)

(Name)
 (Official Address)

Signed for and on behalf of the Bank

(Signature)
 (Name)
 (Designation with Bank Stamp)

Attorney as per Power
 of Attorney No.
 Dated.....

Communication address of the Bank
 Name of the contact person
 Tel. No. Fax No.
 Email:

Notes: 1. (*) This sum shall be ten percent (10%) of the Contract Price denominated in the types and proportions of currencies. (@) This date will be Ninety (90) days beyond the warrantee period as specified in the Contract.

2. The stamp papers of appropriate value shall be purchased in the name of guarantee issuing Bank.

3. Vendor 's stamp with full details i.e. name of the Purchaser in whose favour this stamp paper has been purchased should invariably be mentioned on the back side of the stamp paper.

4. Bank Guarantee is required to be submitted directly to the Purchaser by the issuing bank (on Behalf of the Vendor) under the registered post (A.D.). The Vendor can submit an advance copy of Bank Guarantee to the Purchaser. However, in case of exceptional circumstances where efficient postal services are not in force, the Bank Guarantee may be submitted by the Vendor directly to the Purchaser and the issuing Bank shall submit an unstamped duplicate copy of Bank Guarantee directly under the registered post (A.D.) to the Purchaser, with a forwarding letter.

SECTION – IV
SCHEDULE OF QUANTITIES & PRICES

SECTION-IV: Schedule of Quantities & Prices

Tender Inviting Authority: Director General, Forest Survey of India, Kaulagarh Road, P.O IPE,
Dehradun – 248195

Description: “Services of Technical Manpower for Remote Sensing & GIS Data Processing, Interpretation and Analysis” From the Service Provider Firms for Activities of Monitoring & Assessment of Forests.

Tender Specification No: _____ **Dated:** _____ / _____ /2019

Name of the Bidder/ Bidding Firm / Company:

PRICE SCHEDULE

Annexure-VII

S. No,	Work	Price for 1 unit of Work Each	
		At the FSI Dehradun Office Site-I	At the Firms Office Site-II
1.	Satellite Data Processing includes downloading, geometric, radiometric and atmospheric corrections, subset creations, Map composition etc.		
2.	Satellite data classification (Raster) using different algorithms, including on screen visual analysis and delineation of polygons. Output may be in raster or vector or both, includes composition.		
3.	Digitization of points, lines and polygons from a base layer or delineation by visual analysis, which could be satellite image or scanned maps, pdf maps or web based maps, includes composition, attach attribute data, buffer and network analysis.		

4.	Sub Total		
5.	GST/ Any Other Taxes		
6.	Grand Total (Inclusive all)		

A. Evaluation of bids will be done on the total amount of one unit for each of the three works. Separate comparative sheets will be made for the two sites that is site-I and site-II. Thus either on single firm may be successful bidder for both the sites for all the works or two different firms may be successful bidders for all the three types of works.

B. Providing full time services of technical manpower at different levels of qualification and experience.

According to the work requirement in FSI, the service provider firm may be asked to provide services of technically qualified person (s) at the required level for a specified period in man-months at the following levels:-

S. No.	Level of Technical Man Power	Price for One Man Month Inclusive of all Taxes
1.	Technical Associate	
2.	Project Scientist	
3.	Junior Consultant	
4.	Senior Consultant	
5.	Senior Consultant (NRM)	

Note:

1. All applicable taxes & duties including GST, other levies and charges, etc. should be mentioned clearly.
2. It is hereby confirmed that, except as otherwise stipulated in the tender Specification and statutory variations permitted as per the contract, the above unit rates and other charges as mentioned in this schedule, will remain firm till the subject supplies are completed. Further, it is confirmed that no other charges would be payable by FSI, in connection with our execution of the resultant Purchase Order.
3. The "Contract Price" shall mean the total price, inclusive of all taxes.

PART - II

TECHNICAL SPECIFICATIONS AND DETAILS:

1. The **Services of Remote Sensing & GIS Data Processing, Interpretation and Analysis** is focused on providing qualitative, quantitative & administrative attributes of forests to facilitate, informed, unbiased and expeditious decisions on management of forest in general and implementation of **Forest Conservation Act (1980)** in particular. Once the information is shown, the user would be able to take a print of the map with geo-coordinates and suitable title and information as well as would also be able to export the same in .xls format.

2. Scope of the work:

“Services of Technical Manpower for Remote Sensing & GIS Data Processing, Interpretation and Analysis” From the Service Provider Firms for Activities of Monitoring & Assessment of Forests.

For various works of remote sensing & GIS applications undertaken at Forest Survey of India under projects and assignments from time to time, there is need for engaging the services of qualified technical manpower which have got technical competence experience of RS & GIS applications in the similar field of works. This includes the services of qualified manpower also for a certain period of time as and when required on man-months basis.

Services from eligible and technically qualified firms (service providers) with adequate experience in Remote Sensing & GIS applications in natural resource management, forests, watershed development, wildlife conservation and allied fields are required both in terms of works specified in the Section-3 and manpower specified in the Section-5.

3. Specification of Works:

I) Satellite Data Processing includes downloading, geometric, radiometric and atmospheric corrections, subset creations, map composition etc.

II) Satellite data classification (Raster) using different algorithms, including on-screen visual analysis and delineation of polygons. Output may be in raster or vector or both, includes composition.

III) Digitization of points, lines and polygons from a base layer or delineation by visual analysis, which could be satellite image or scanned maps, pdf maps or web based maps, includes composition, attach attribute data, buffer and network analysis.

The works mentioned under Section-3 for geographical extent defined in the form of limits of the maps or spatial size and scale as follows will be defined as one (1) unit of work. A work may be a combination of the above three also.

3.1. Particulars defining magnitude of work for one unit:

- | | | | |
|----------------|-----------------------------|---|--------------------------------------|
| (i) 1° x 1° | on 1:50,000 scale | } | for raster or vector data processing |
| | Or | | |
| (ii) 15' x 15' | on 1:12,500 scale or larger | | |
| | or | | |

(iii) No. of polygons up to 500 when on screen digitization is involved.

If part of the work involves more than 50% of the above magnitude/ extent of one unit then the same will be counted as 2 units, likewise in case part of the work is less than 50% of one unit, then it will be counted as 1 unit only.

Depending upon the sensitivity, security concerns and kind of information to be generated from the work, Director General, FSI will decide whether the outsourced work is to be done within the FSI office or the work can be executed at the facility of service provider. The rates to be quoted by the bidders will therefore should be for both the options for the above defined 3 types of works. The format for financial bid is given at Annexure-VII.

3.2 The steps followed for implementation of works by the approved firms would be as follows:

- (i) The objectives, scope of works and deliverables will be defined by Forest Survey of India.
- (ii) The methodology will be submitted and presented by the firm in consultation with the officials of FSI. The methodology approved by the Director General, FSI only will be used in the work assigned to the firm.
- (iii) The quantum of work and the time period for completion of an assignment will be decided by authorized FSI officials or a committee constituted by DG, FSI.
- (iv) Implementation of the work will be done by the service provider in the given time frame.
- (v) The quality check and quality assurance (QC&QA) will be done by the officials of FSI.
- (vi) After QC & QA, when the output/ deliverables are accepted by the Head of the Division/ RDs or the officer authorized by the Director General, Forest Survey of India, the work will be treated as complete and subsequent to that only the firm will submit the bill for payment.
- (vii) Not being satisfied with the progress or quality of the work, DG, FSI may terminate the work at any stage without any cost implication on FSI.

4. Services of Technical Manpower on man-month basis for the period of requirement:

S. No.	Level of Technical Man Power	In Terms of Man-Months			
		Qualification		Experience	
		Essential	Desirable	Essential	Desirable
1.	Technical Associate	Post Graduate in any Science subject/ Forestry/Environmental Science//M.A. Geography/ B. Tech. in IT/CS.	Candidate other than Post Graduate in Remote Sensing and GIS having ten months PG Diploma course in RS/GIS from a Recognized Institution.	At least six months experience in DIP/GIS related work in Forestry and other allied areas.	Experience in High Resolution Data processing/ object orientated classification/ SAR/Microwave data processing.

2.	Project Scientist	Master's Degree in Forestry/Environmental sciences/Geography/Botany/Geo-informatics/Agriculture or allied subjects.	M.Tech./P.G. Diploma(Remote Sensing & GIS), PhD in Remote Sensing &GIS Applications/ Computer Science/Natural Resource Management.	Minimum 5 years of experience in the field of application of Geospatial technologies in natural resource management.	Experience in natural resource monitoring and assessment. Knowledge of global protocols and practices pertaining to natural resource mapping and monitoring. Knowledge of Remote Sensing/GIS software and emerging areas of geospatial technologies example SAR, LIDAR, UAV, etc.
3.	Junior Consultant	Master's Degree in Forestry/ Environmental sciences/ Geography/ Botany/ Agriculture or allied subjects with post-graduate degree/diploma in Remote Sensing & GIS/ Geo-informatics.	M. Tech. (Remote Sensing & GIS), PhD in Remote Sensing & GIS Applications.	Minimum 10 years of experience in the field of application of Geospatial technologies in natural resource management / forestry/ water resources/ soil science/ agriculture and allied areas.	Experience in natural resource monitoring and knowledge of global protocols and practices pertaining to natural resource mapping and monitoring. <input checked="" type="checkbox"/> Knowledge of Remote Sensing/GIS software and emerging areas of geospatial technologies example SAR, LIDAR, UAV, etc. <input checked="" type="checkbox"/> Publications in National and International journals, books, reports, etc.
4.	Senior Consultant	Master Degree in Forestry/ Environmental sciences/ Geography/ Botany/ Agriculture or allied subjects with post-graduate degree/diploma in Remote Sensing & GIS/ Geo-informatics.	PhD in any of the above subjects.	Minimum 15 years of experience in the field of application of Geospatial technologies in natural resource management / forestry/ water resources/ soil science/ agriculture and allied areas.	Experience in natural resource monitoring and knowledge of global protocols and practices pertaining to natural resource mapping and monitoring. <input checked="" type="checkbox"/> Knowledge of Remote Sensing/GIS software and emerging areas of geospatial technologies example SAR, LIDAR, UAV, etc. <input checked="" type="checkbox"/> Publications in National and International journals, books, reports, etc.

5.	Senior Consultant Natural Resources Management (NRM)	Master's Degree in Forestry/Environmental sciences/Geography/Botany/Geo-informatics/Agriculture or allied science subjects.	Ph. D in any relevant subject.t	Minimum 15 years of experience in NRM.	Working in the Government Departments in NRM Sector.
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4.1 Conditions:

- (i) The successful service provider firm may be asked to put up a panel of 2 to 3 names of technical personnel/consultants for each requirement of man-power, out of which DG, FSI will select the suitable man-power as per the requirements.
- (ii) DG, FSI may discontinue the services of engaged technical man-power at any stage on the grounds of quality of output, indiscipline or misconduct.
- (iii) Services of man-power of the required category, may be in the multiple of unit man-power or fraction of it.