

**TENDER FOR DEVELOPMENT OF DECISION SUPPORT SYSTEM
WEB ENABLED GIS APPLICATION USING FLEX & ARCGIS
SERVER SOFTWARE**



Last date for receipt of tender : 29.08.14 (1500 hrs)
Date of opening of Tender (Technical bid) : 29.08.14 (1530 hrs)
Date of opening of Tender (Financial bid) : 01.09.14 (1500 hrs)

Government of India
Forest Survey of India
Kaulagarh Road, P.O.-IPE
Dehradun-248195
FAX: 0135-2755037

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**FOREST SURVEY OF INDIA
MINISTRY OF ENVIRONMENT & FORESTS
KAULAGARH ROAD, DEHRADUN**

www.fsi.nic.in

Fax : 0135- 2755037

Phone: 0135-2755037, 2757158

Tender for development of Decision Support System web enabled GIS application using flex & arcgis server software

Tender No.	dt.:
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1. **Designation and address of the:
Officer inviting the tender** **Joint Director(NFDMC),
Forest Survey of India,
Kaulagarh road, P.O.IPE-
Dehradun-248195, Uttarakhand**
- 2.
- a) **Last date and time for
receiving the tender document** : **29.08.14 (1500 hrs)**
- b) **Date and time of opening of the
Technical Bids** : **29.08.14 (1530 hrs)**
- c) **Date and time of opening of the
Financial Bids** : **01.09.14 (1500 hrs)**

FOREST SURVEY OF INDIA
Kaulagarh Road, PO-IPE, Dehradun

TENDER NOTICE

Tender for development of Decision Support System web enabled GIS application using flex & arcgis server software

SEALED TENDER duly superscripted with “Tender Number and due date” following two bid system i.e., Technical Bid & Financial Bid as per specification given in Tender Document are invited from reputed firms for development of Decision Support System(DSS) web enabled GIS applications using flex & arcgis server software for the add-on modules of the existing DSS application. named as “Tender for development of Decision Support System web enabled GIS application using flex & ArcGIS server software”. The existing application is built on ArcGIS technology and the scope of work is to enhance this application with additional modules’.

The tender document is available on website www.fsi.nic.in and can be downloaded from the website. The completed tenders along with EMD amounting to Rs. 5,000/- (Rupees Five thousand only) payable to the “Assistant Director (Accounts), Forest Survey of India, Dehradun must accompany the tender bid to reach this office on or before **29.08.14** (1500 hrs). The technical bids shall be opened on the same day at 15:30 hrs. The tenderers or their representatives shall be allowed to remain present on the said due date. The Director General, Forest Survey of India reserve the right to accept/reject any or all tenders without assigning any reason thereof.

Joint Director (NFDMC)

Forest Survey of India

Forwarding Letter
(To be filled in by the tendering party)

FROM.....
.....

To,
The Director General
Forest Survey of India
P.O. IPE, Kaulagarh Road, Dehradun

Sub: Tender for development of Decision Support System web enabled GIS application using flex & arcgis server software in the Forest Survey of India, Dehradun

Ref: Your tender notice dated.....

Sir,

I/ We are submitting herewith our tender for the Development of the articles as specified in the tender form and as laid down in tender documents.

I/ We have read and understood all the terms and conditions governing the tender I/ We agree to abide by these terms and conditions.

We are enclosing herewith your receipt No.....dt..... as a proof of having purchased the non transferable tender document.

According I/ We are enclosing herewith our Earnest Money Deposit in the form of bank draft No.....dated..... for **Rs.5000/- (Five thousand only)** payable to Assistant Director (Accounts), FSI.

I/ We have duly signed all pages of the tender document together with the copy of the “Terms and Conditions” contained in the tender document booklet. I/ We have signed the copy of these terms and conditions as a token of acceptance of these conditions.

We are enclosing as Annexure the following documents (up-to-date) in original/ attested copies in fulfilment of the conditions laid down in the tender document.

CERTIFICATE OF ACCEPTANCE OF TERMS AND CONDITIONS

1. I/ We have read and fully understood the Terms and Condition as laid down in respect of this tender. I/ We agree to abide by the same.
2. I/ We have duly signed all pages of the tender document.
3. I am/ We are also enclosing as Annexure the documents (Up-to-date) as listed in the covering letter above in fulfilment of the conditions laid down in the tender document to prove that I/ we are qualified for this tender.

Stamp and Signatures of the Authorized Signatory

Name.....

Complete address.....

.....

Telephone no.s (HQs/ Dehradun).....

Forwarding Letter

(To be filled in by tendering party)

From: _____

To,

Joint Director (NFDMC)
Forest Survey of India
Kaulagarh Road, P.O.IPE
Dehradun - 248 195. (U.P.)

Sub: Tender for development of Decision Support System web enabled GIS application using flex & ArcGIS server software in the Forest Survey of India, Dehradun

Ref: Your Tender notice dated

Sir,

We are submitting herewith our tender for
development of web enabled GIS application using flex & Arc GIS server software in the Forest Survey of India, Dehradun as specified in the tender notice and as laid down in tender documents. We have read and understood all the terms and conditions governing the tender. We agree to abide by these terms and conditions.

Accordingly we are enclosing herewith our Earnest Money Deposit in the form of Demand Draft No. _____ dated _____ for Rs. _____ (in words) Rupees _____ drawn in favour of Assistant Director (Accounts), Forest Survey of India, Dehradun for the above mentioned supplies. We are enclosing as Annexures the following documents in fulfillment of the conditions laid down in the tender document.

Annexures

- I. Technical Specification for development of web enabled GIS application using flex & arcgis server software
- II. Financial Bid'
- III. Certificate Of Acceptance Of Terms & Conditions
- IV. Warranty Certificate
- V. Responsibility Of The Contractor Executing The Contract
- VI. Sales Tax/Service Tax Registration Certificate
- VII. Income Tax Clearance Certificate
- IX. Certificate of the original
service provider and having a registered after sales service
set up at Dehradun to handle Guarantee & Warranty obligations and after sales
services (with officials/residential address and phone nos.)
- X. Undertaking by the bidder that his firm is not under a declaration of
ineligibility for corrput and fraduent practices/poor performance/failure
issued by Govt.

- X. Detailed and signed list of Guarantee/Warranty services/ spares/calls/ maintenance covered under warranty (comprehensive / limited etc.) duly & unambiguously explained
- XI. Complete product brochures detailing specification etc. in original regarding items tendered for
- XII. List of work carried out (nos. etc.) installed at Dehradun and other prestigious institutes in the country by the company
- XIII. Company profile
- XIV. Warranty Certificate

All pages of the Tender Document along with the Copy of “Terms & Conditions and additional pages (specify number) contained herewith have been duly signed.

Yours faithfully,

Stamp & Signatures of the Authorized Signatory

Name: _____

Complete Address and Seal: _____

**Telephone and fax nos.
(H.Q.s/Dehradun) :**

Detailed Terms & Conditions Governing the Tender

Note: The terms and conditions of the tender should be read carefully as mistakes in filling the tender form may lead to disqualification of the tender fully or partially.

1. Please do not tear off any leaf of this tender Booklet.
2. Please sign all the pages of these terms & conditions, along with all other pages of the Tender Document.
3. In case any information furnished in the contract is found to be false, the Earnest Money Deposited is liable to be forfeited.
4. The EMD of the party getting the contract will be treated as security deposit, which will be refunded after the supply has been completed.
5. The EMD of the remaining parties will be returned once the supply order is finalized.
6. Delay or default in making the supply as per the supply order may result in forfeiture of the security deposit.
7. Rates must be quoted in figures and words.
8. In case of any disputes rates in words will be considered final and decision of the tender opening authority will be final in this regard.
9. Conditional tender will not be accepted.
10. The bidder will submit at least 3 orders of supply of the above carrying work or similar type of work for development of web enabled GIS applications using ArcGIS server software as qualifying criteria of which at least three supply orders should be from Govt. organizations or leading public sector undertaking educational institute.
11. Cost of preparation of tender shall have to be borne by the Tendering Party.
12. The Tender proposal involves a two bid system.
13. The proposal includes the cost of manpower for developing the applications should reach Jt. Director (NFDMC) Forest Survey of India, Kaulagarh Road, PO-IPE, Dehradun latest by 29.08.2014 by 3:00 pm. The cover letter should be super scribed with limited quotation enquiry for development of the Decision Support System web enabled GIS application for Forest Survey of India.

14. The manpower has to work at the Forest Survey of India premises at Dehradun between 9:00 am to 17:30 pm.
15. Payment will be subject to the successful development and function of the application development.
16. Decision of the Director General, Forest Survey of India will be final in regard to the acceptance or rejection of any quotation.
17. Work to be completed in 3 months.
18. CV of developer/resource person to be detailed for work be submitted with proposal.
19. Service tax calculated & TDS for the last 3 years to be submitted.

Qualifications for Tendering

1. **Earnest Money Deposit (EMD):**

The tenders have to be accompanied by an Earnest Money Deposit of Rs.5000/- (Rupees Five thousand only) in the form of Demand Draft valid for six months in the name of Assistant Director (Accounts), Forest Survey of India, Dehradun at any scheduled bank located in Dehradun. EMD in any other form shall not be acceptable. It may be noted that no tendering party apart from Govt. agencies is exempt from payment of this Earnest Money Deposit. Tenders submitted without EMD shall be summarily rejected.

3. Manufacturers/authorized distributors/ authorized dealer and service provider duly registered for payment of the Sales Tax, Income tax.
6. The bidder shall furnish details of carrying out similar type of work (at least for three organizations) for during the last three years in government departments in India along with user's certificate regarding satisfactory functioning of Software.
7. The bidder should have adequate infrastructure (details of man power and tie-ups).
9. The company should have a local office with the service centre at Dehradun.

'TECHNICAL BID'

Technical Specification for development of Decision Support System web enabled GIS application using flex & arcgis server software**Tender form****Tender No. -----**

Brand/Make : _____

Model Names & Nos. : _____

SI No	Functionality	Data Creation	Application change
1	NPV layer	NPV layer to be created based on spatial intersection between FCM and FTM layer Output layer to be splitted on all India GRID to generate NPV_India_GRID	Existing DSS application to use the NPV_India_GRID layer and generate report as same as report generated for 4 existing parameters
2	TIMESERIES DATA ANALYSIS OF FCM LAYER	Not Application	This functionalities will allows you the visualize data changes over a period of time, user can choose two layer of different time duration & flight to view the changes
3	HYDROLOGICAL layer	Buffer in meters to be created around the District level Hydro layer. Output layer to be splitted on all India GRID to generate Hydro_India_GRID	Existing DSS application to use the Hydro_India_GRID layer and generate report as same as report generated for 4 existing parameters
4	Result _DSS + MIS APPLICATION	Few blank feature classes and Flat tables to be created to save output feature from the parameter calculations	1. Each calculation should be saved in database with user specified name 2. User should be able to the save the DSS calculation midway. This can be completed in future. 4. User should be able to submit calculation results to database. Once submitted calculations can't be altered.
5	Wild life species in	Wild life species in	Application to customize to provide enable

	area of interest	area of interest layers to be added to existing DSS system	user to see the species in the user specified tolerance from the user drawn/uploaded polygon.
6	What if Analysis? (w.r.t configurable DSS parameters)	NA	Once the analysis is done, user should get the option to change the parameter values and re-generate the DSS result. User to be provided the list of feature types in the user generated area in separate tab/window. User will update the calculation attribute and click on re-generate DSS.
7	Change Detection		Compare 2 FCM layers from different time.

1. Whether service offered conforms to particulars given above. If not, details of deviations must be stated here.

2. Guarantee date by which delivery can be completed:

3. Validity of Tender :

4. Warranty (specify period) :

Date :

Signatures of the Authorised Signatory
Name.....
Complete Address
and seal

Telephone no.s (H.Q.s/Dehradun)

**'FINANCIAL BID'
FOR**

Technical Specification for development of decision support system web enabled GIS application using flex & arcgis server software

Tender form

Tender No.

A. With essential features

Sl. No.	Description	Unit	Qty	Rate (Rs.)	Total (Rs.)
	SUPPLY				
1	Development of web enabled GIS application using flex & arcgis server software		1		

Total cost (in figures) Rs. _____

Total cost (in words) Rs. _____

- Prices should normally be inclusive of training at these places.
- Income tax and other taxes due will be deducted at source as per the prevailing rule.

Signatures of the Authorised Signatory

Name.....

Complete Address
and seal

Telephone no.s

Date :

Annexures to the Tender Document

Procedure for filling in the Tender Forms:

The tender/bids are to be submitted in two parts, i.e. Part-I and Part-II.

i. Part-I or Technical Bid:

This shall contain the complete technical qualification and terms and conditions of supply etc in the prescribed proforma.

ii. Part-II or Financial Bid:

This shall contain the financial aspects of the tenders submitted in the prescribed proforma. The tenders will be rejected if deviation from proforma is found on any account. Rates inclusive of all taxes, installation charges and commissioning charges as applicable to Govt. supplies should be quoted in the prescribed proforma. All due taxes will be deducted at source as per prevalent tax rules.

iii. The technical and financial bid shall be placed in separate sealed envelopes. Each of these two sealed envelopes containing the respective bids shall indicate on the face of it the tender no. and type of bid i.e. Technical/Financial Bid as the case may be along with the name and address of the bidder/tendered. These two envelopes shall be put in an outer cover and sealed. The outer cover should only indicate the tender no. and the last date and time of receiving the tenders prominently along with the address of the purchaser i.e. Joint Director (NFDMC), Forest Survey of India, Kaulagarh Road, P.O.-IPE, Dehradun-248195, Uttarakhand.

(Please provide one of the options while super scribing the sealed cover)

“Tender for development of Decision Support System web enabled GIS application using Flex & Arcgis server software in the Forest Survey of India, Dehradun ”

The specifications represent the minimum configurations necessary to qualify for consideration. Any tender or offer which falls short of these specifications shall be rejected summarily.

iv. Striking out/applying whitener or disfiguring any specifications as printed in tender form is not allowed. Any such act shall lead to the disqualification of the tender. If in the opinion of the “Tender Committee” such an act is deemed as deliberate, it can lead to forfeiture of whole or part of the EMD.

The prices to be quoted in the 'Financial Bid', however shall be restricted to the specification column.

- v. All queries in the tender form have to be answered in unambiguous terms. Any space meant for answers, if left blank, will be treated as a “NO” answer or non-confirmation of a feature or specification any may lead to disqualification of the tender.

B) Earnest Money Deposit:

- i. Tenders have to be accompanied by an Earnest Money Deposit equal to **Rs.5000/- (Rupees Five Thousand only)** in the form of a Demand Draft valid for six months payable to the “Assistant Director (Accounts), Forest Survey of India, Dehradun” at any scheduled Bank located in Dehradun.

EMD in any other Form/Instrument shall not be acceptable.

- ii. It may be noted that no tendering party is exempted from payment of this Earnest Money Deposit, unless exempted by Govt. of India. In such cases, proof of exemption will have to be furnished.
- iii. Tenders submitted without EMD or without proof of exemption shall be summarily rejected.
- iv. EMD in respect of parties which are not shortlisted for the supply of software shall be returned within three weeks provided their representative with appropriate authority presents himself in our office.
- v. In case of parties short listed for supply, the EMD shall stand converted into a Security Deposit after their short listing. No tendering party is exempted from the Security Deposit.
- vi. Director General, Forest Survey of India reserves the right to forfeit the EMD apart from any other action as deemed fit in case of violation of any terms and conditions of tender notice or in case of withdrawing from bid after short listing.
- vii. The Security deposit of unsuccessful tenderers will be returned after finalization of order.

C. Submission of tenders:

- i. Complete tenders containing
 - Duly filled in Tender Booklet for 'Technical Bid' and 'Financial Bid'
 - Earnest Money Deposit of to **Rs.5000/- (Rupees Five Thousand only)** in the form of a Demand Draft valid for six months payable to the “Assistant Director (Accounts), Forest Survey of India, Dehradun” at any scheduled Bank located in Dehradun.

The offers are to be submitted in triple sealed covers. The first inner sealed cover will contain Technical Bid having all details. This cover will clearly be superscribed with "Technical Bid" along with tender number and due date. The second sealed inner cover will contain only the price schedule duly filled in and signed and will super scribed with "Financial Bid" along with tender number and due date. All these should be secured fully and put into a sufficiently large envelope. The envelope shall be Sealed and super scribed with:

“Tender for development of Decision Support System web enabled GIS application using flex & ArcGIS server software in the Forest Survey of India, Dehradun”

(Please provide one of the options while superscribing the sealed cover)

The envelope containing the completed tender should be addressed to, The Joint Director (NFDMC), Forest Survey of India, Kaulagarh Road, Dehradun

- ii. The complete tenders should reach the office of the Director General, Forest Survey of India, Kaulagarh Road, P.O.-IPE, Dehradun (U.P.) - 248 195, within the due time & date prescribed. We shall not be responsible for any postal or courier delays.

TENDERS RECEIVED AFTER THE DUE TIME & DATE SHALL NOT BE ENTERTAINED BECAUSE THE TENDER BOX SHALL BE CLOSED & SEALED IMMEDIATELY AFTER DUE TIME ON THE DUE DATE.

Tenders submitted on plain paper or unauthorized copies of our Tender Document Booklet will be invalid and shall be summarily rejected.

D. Tender Schedule;

- ii. Last date & time for receipt of completed tenders : **29.08.14 (1500 hrs)**
- iii. Opening of Technical bids : **29.08.14 (1530 hrs)**
- iv. Opening of Financial bids : **01.09.14 (1500 hrs)**

E. Validity of offers:

- i. Any unsolicited correspondence after the last date and time for receipt of tenders is liable to render the tender / offer as invalid. Tendering parties are, therefore, advised in their own interest, to desist from filing any uninvited correspondence after the notified time.

- ii. It may be noted that the Tender Document Booklet is non-transferable. Parties purchasing one tender document booklet should be the same as the one filling a completed tender or making the offer.
- iii. All offers have to be made clearly in English. There should be no cuttings. If a striking out is resorted to, it should be signed.
- iv. No alteration or amendments shall be allowed after opening of the tenders.
- v. Offers submitted by telex, telegram or fax shall not be considered.
- vi. For a tender to be valid the individuals signing the tender document must specify,
 - whether they are signing as the sole proprietor / manufactures / partners or attorneys (with proof provided);
 - or as Authorised Dealers / Distributors (with proof provided)
 - Offers not accompanied with letters of authority, in cases required, are liable to be rejected.
- vii. The tender shall be valid for acceptance for the period as indicated in the bid and shall not be withdrawn on or after the opening of tenders till the expiration of the validity period or any extension thereof.

F. Opening of tenders:

- i. Technical bids shall be opened in the office of the Director General, Forest Survey of India, Kaulagarh Road, Dehradun. as per the following schedule;

Opening of technical bid	: 1530 hrs on 29.08.14
Venue	: Chamber of Jt. Director(NFDMC), Ground Floor, FSI, Kaulagarh Road, Dehradun-248195

Opening of Financial bid	: 1500 hrs on 01.09.14
Venue	: Chamber of Jt. Director(NFDMC), Ground Floor, FSI, Kaulagarh Road, Dehradun-248195

- ii. Technical bids shall be opened in presence of representatives of the tendering parties, who wish to remain present.

- iii. Tenders shall be read out one by one. Polite queries can be reread on request. Parties are however requested to desist from making comments.
- iv. Representatives of parties may be available at Dehradun for any clarifications that may be necessary. They are all requested to call on the office of the Joint Director (NFDMC), FSI
- v. Technical bids will be evaluated for qualifications for opening the Financial Bids. Only those 'Financial Bids' will be opened whose Technical Bids are qualified fulfilling all the technical specifications of the hardware mentioned in the tender document

G. The short list:

- i. A short list of two or three is expected to be ready by a week time from the date of opening of "Financial Bid". EMD of other tenderers shall be returned once this list is ready.
- ii. The acceptance of an offer in whole or in part shall be communicated to the successful tenderer in due course and in writing.
- iii. The shortlisted parties may be asked to give a presentation on their offered services. In such case they should send their senior representative to answer the queries.
- iv. Short listing of a tenderer does not confer any rights on any tenderer, it only means that the offer made is under consideration.

H. Technical Bid Evaluation criteria

- i. The bids must conform to the technical specifications indicated in detailed specifications as per Tender form. Non conformance of these minimum specifications will lead to rejection of the offers.
- ii. The Technical Bids should contain Technical literature and Data sheets and proof for the benchmarking tests and results for the items quoted therein. Bids not enclosing the requisite technical literature will be ignored. Based on the items/features offered by the vendor against the requirements of FSI as given in Tender form and the details provided in the bid, the technical evaluation will be carried out.
- iii. If a particular specified information is not explicitly stated, the same characteristic/feature/item could be treated as not available/offered and further evaluation will be carried for a period of three years.

- vi. All Bidders shall submit their technical and Financial bids separately for each system. Financial bids of only those vendors will be opened whose technical bids are qualified.
- vii. The bidders should keep themselves ready to give presentation of their product within 10 days of the opening of the technical bids, if required.
- viii. The incomplete bids will be rejected out rightly.