

E-TENDER

Two Bid Tender Document

For

Technical Services for Preparation of GIS Layers, Maps, Geospatial Modelling & Analysis for the Project
'DPR Preparation for Rejuvenation of Damodar and Subarnarekha and its major tributaries and
distributaries through forestry intervention' for Institute of Forest Productivity, Ranchi

[Store-I-Proj-DPR-67/2022-23]



Institute of Forest Productivity

NH-23 Ranchi Gumla Road, Lalgutwa, Ranchi – 835303 (Jharkhand)



वनउत्पादकतासंस्थान
भारतीयवानिकीअनुसंधानएवंशिक्षापरिषद
वन,पर्यावरणएवंजलवायुपरिवर्तनमंत्रालय,भारतसरकारकीएकस्वायत्तनिकाय
लालगुटवा,एन.एच-23,गुमलारोड,राँची - 835303झारखण्ड
E-mail: dir_ifp@icfre.org Phone: 0651-2526140, 2526150



No.Store-I-Proj-DPR-67/2022-23Date: 17/08/2022

निविदाआमंत्रणसूचना / NOTICE INVITING TENDER

Tenders are invited from reputed Firms/suppliers etc. for **Technical Services for Preparation of GIS Layers, Maps, Geospatial Modelling& Analysis for the Project 'DPR Preparation for Rejuvenation of Damodar and Subarnarekha and its major tributaries and distributaries through forestry intervention' for Institute of Forest Productivity, Ranchi** for Institute of Forest Productivity, Ranchi through the E-procurement portal at the URL <https://moefcc.euniwizarde.com>. The tender documents and other document may be downloaded from the above Portal site <https://moefcc.euniwizarde.com> and NIT of the tender will also be available at <http://ifp.icfre.gov.in> as per the schedule given in CRITICAL DATE SHEET as under. No hard copy of the tender document will be provided from the institute.

CRITICAL DATE SHEET

Published Date on website	18 th August 2022
Starting Date for submission of Bid and Time	18 th August (11.30 AM)
Bid Submission Closing Date and Time	8 th September 2022 (05.00 PM)
Bid Opening Date and Time	9 th September 2022 (11.00 AM)

Only bidders registered on E-wizard Portal i.e. <https://moefcc.euniwizarde.com> can participate in online bidding process. Hence, the prospective bidders should ensure their registration on the E-wizard Portal. For further reference, bidders can check "Bidders Manual Kit" available in Downloads link at <https://moefcc.euniwizarde.com>

Name of Tender: Technical Services for Preparation of GIS Layers, Maps, Geospatial Modelling& Analysis

for the Project 'DPR Preparation for Rejuvenation of Damodar and Subarnarekha and its major tributaries and distributaries through forestry intervention' for Institute of Forest Productivity, Ranchi

Tender No. :Tender No. 67/2022-23
Ref. file No. : Store-I-Proj-DPR-67/2022-23
Tender Processing Fee: As per the terms of ITI Limited.
TenderFee :Rs. 590.00 (including 18% GST)

Item No.	Items Name	EMD	Estimated Cost
I	Technical Services for Preparation of GIS Layers, Maps, Geospatial Modelling& Analysis for the Project 'DPR Preparation for Rejuvenation of Damodar and Subarnarekha and its major tributaries and distributaries through forestry intervention' for Institute of Forest Productivity, Ranchi	Rs.50,000.00	Rs.10,00,000.00

Address of Office : Institute of Forest Productivity, P O - Lalgutwa, NH-23 Ranchi Gumla Road, Ranchi - 835303, Jharkhand.

Tender Processing Fee – As per the terms of ITI Limited.

Tender Fee, EMD etc. in the form of DD in favour of Director, Institute of Forest Productivity, Ranchi payable at Ranchi must be delivered to the Director, Institute of Forest Productivity, P O - Lalgutwa, NH-23 Ranchi Gumla Road, Ranchi - 835303, Jharkhand **on or before bid opening date/time as mentioned in critical date sheet** (9th September 2022 **(11:00 AM)**) Duly filled and signed tender document complete in all respect may be uploaded on the E-wizard Portal latest by **8th July 2022 (5:00PM)** as per the critical datasheet along with all the documents mentioned in the tender form. Tenders submitted in the **hard copy will not be accepted**. Only original hard copy of Tender Fee and EMD will be accepted.

Instruction to Bidders

Online bids are invited on singles stage two bid systems **Technical Services for Preparation of GIS Layers, Maps, Geospatial Modelling & Analysis for the Project 'DPR Preparation for Rejuvenation of Damodar and Subarnarekha and its major tributaries and distributaries through forestry intervention' for Institute of Forest Productivity, Ranchi**

for Institute of Forest Productivity, Ranchi. Manual bids will not be accepted.

Bids shall be submitted online only at E-wizard website: <https://moefcc.euniwizard.com> . Tenders/suppliers/contractors are advised to follow the instructions provided in the 'Instructions to the service provider/ Contractors/firms/Tenderer/suppliers for the e-submission of the bids online through the E-wizard Procurement portal for e-Procurement at <https://moefcc.euniwizard.com> .

Not more than one tender shall be submitted by one service provider/firms/suppliers having business relationships. Under no circumstance will father and his son(s) or other close relations who have business relationship with one another (i.e. when one or more partner(s)/director(s) are common) be allowed to tender for the same contract as separate competitors. A breach of this condition will render the tenders of both parties liable to rejection.

Tenderer who has downloaded the tender from E-wizard Procurement Portal <https://moefcc.euniwizard.com> shall not tamper/modify the tender form including downloaded price bid template in any manner. In case if the same is found to be tampered/modified in any manner, tender will be completely rejected and EMD would be forfeited and tenders is liable to be banned from doing business with IFP.

Intending service provider/tenderer/ firms/ suppliers are advised to visit again e-wizard website <https://moefcc.euniwizard.com> and website <http://icfre.gov>. in at least 3 days prior to closing date of submission of tender for any corrigendum/ addendum/ amendment.

Applicant (services provider /firms) must provide demand draft for Rs590/- (Rupees Five Thousand Ninety) Only in favor of Director, Institute of Forest Productivity, Ranchi payable at Ranchi, obtained from any Nationalized/ schedules Bank valid for three months with their application/ downloaded tenders as the cost of the tenders as the cost of the tender forms/documents. The all applicable bank charges shall be borne by the applicant and he shall not have any claim what so ever on this account on Government. IN case of re-tendering, the firms which have submitted the DD in earlier calls will required to submit DD along with their tender/application in subsequent calls also. Tender not accompanied with the cost of the tender forms/documents is liable to be rejected. However, public sectors undertaking /Govt. Undertaking firms are exempted from the payment towards cost of tender document.

EMD Payment

Earnest Money Deposit (EMD) should be reached on or before **9th September 2022 (11.00 AM) (Bid opening Date)** in the form of DD in favor of Director, Institute of Forest Productivity, Ranchi payable Ranchi. Bidders are required to submit the details of EMD payment at the time of BID Preparations.

The Hard Copy of Original documents is respect of cost of tender document, earnest money deposit, original copy of affidavits and credits facility certificate must be delivered to the Director, Institute of Forest Productivity , P O – Lalgutwa,NH-23 Ranchi Gumla road, ranchi-835303, Jharkhand **on or before opening date/time as mentioned in critical date sheet.** Service provider/Tenderer shall likely to be liable for legal action for non-submission of original payment document like DD, FDR etc., against the submitted for the tender fee shall be non-refundable.

For successful tenderer EMD shall be refunded immediately after finalization of the tender. EMD Shall be forfeited if any tenderer withdraw their offer before finalization of the tender or fails to submit offer of acceptance within 7 days from the date of order.

1. Purpose of Tender

- a) Data integration from already existing and project generated maps, GIS datasets, database and various layer available with National and State Level Departments/ organization/institute.
- b) To prepare a geo-referenced spatial database in GIS environment and update /collect information as per work allotted.
- c) Technical coordination and support of GIS activities to other experts & subject matter specialist and other work groups of **Forestry Intervention for Damodar and Subernarekh**.

Analysis of the geographical area on the basis of various criteria and indicators and presenting the same as tables, graphs and chapters.

2. Instruction for Online Bid Submission

Duly filled and signed tender document complete in all respect may be uploaded on the E-wizard Portal latest by **8th September 2022 (05.00 PM)** as per the critical date sheet along with all the document mentioned in the tender form. Tenders submitted in the hard copy will not be accepted. Only original hard copy of tender fee and EMD will be accepted. Procurement Officer, IFP, LALGUTWA, Ranchi may be contacted for any further clarifications.

Opening of Tender

Bids will be opened as per date/time as mentioned I the Tender Critical Date Sheet. After online opening of Technical –Bid the results of their qualification as well as price-Bid opening will be intimated later.

Security Money Deposit

One week time shall be given in the order to the successful tenderer/service provider to furnish the performance Bank Guarantee. The service provider /supplier should have to submit a PBG or performance security in the form of Bank Guarantee of FDR @5% of total order value from a commercial Bank in an acceptable Form/Performance security which should remain valid for a period of **24 months** beyond the date of completion of all contractual obligations of the supplier including the warrant obligation.

Submission of Tender

The tender shall be submitted online in Two-part, viz., technical bid and price bid. All the pages of the bid being submitted must be signed and sequentially numbered by the bidder irresponsible of nature of content of the documents before uploading. The offers submitted by Fax/ email shall not be considered. No correspondence will be entertained in this matter.

a) Technical Bid cover :

Scan and self-attested documents are to be uploaded by the service provider/tenderer/firm in the Technical Bidcover as per the Annexure IV of the tender document and detail of them has to be given in the forum of **TechnicalBid.xlsx** file.

b) Price Bidcover

The following two document are to be uploaded by the service provider/tenderer/firm in the price Bid cover as peer the tender documents:

- (i) Schedule of price bid in the form of **FinancialBid.xlsx**
- (ii) Price Bid Undertaking service provider/renderer's pad(as a per the format below):

From: (Full Name and Address of the Bidder) _____

To,

.....
.....

Sir/ Madam,

I submit the Price Bid for _____ and related activities as envisaged in the bid document.

I have thoroughly examined and understood all the terms and conditions as contained in the Bid document, and agreed to abide by them.

I offer to work at the rates as indicated in the price Bid inclusive of all applicable taxes.

Yours faithfully
Signature of authorized Representative

Schedule of price bid in the form of FinancialBid.xlsx

The below mentioned Financial Proposal/commercial bid format is provided Financial.xlsx along with this tender document at <https://moefcc.euniwizard.com>. Bidders are advised to download this **FinancialBid.xlsx** as it is and quote their offer/rates in the permitted column and upload the same in the commercial bid. **Bidders shall not tamper/modify downloaded price bid template in any manner.** In case if the same is found to be tempered/modified in any manner, tender will be completely rejected and EMD would be forfeited and tenderer is liable to be banned from doing business with IFP, Ranchi.

Note

1. The rates shall be quoted in Indian Rupee only
2. The rates will be inclusive of all taxes, fees,levies,etc. and any revision in the statutory taxes, fees, etc. will be the responsibility of the bidder.
3. The payment will be made to the Firm at any Bank Account maintained in India by way of ECS/RTGS after deducting the TDS as applicable.
4. The quoted rates shall remain firm throughout the tenure of the contract and no revision is permissible for any reason.

Registration with M/s ITI Ltd. Portal (<https://moefcc.euniwizard.com>)

Registration with M/s ITI Ltd:- Intending bidders are requested to register themselves with M/s ITI Ltd (if not registered earlier) through <https://moefcc.euniwizard.com> by making required payment through only online payment mode so that they will get user ID and password. This will enable them to access the website, <https://moefcc.euniwizard.com> with the help of digital signature by which they can participate in e-Tender. For this intending bidder may contact following e-wizard Helpdesk numbers.

1. E-Wizard Helpdesk
1ST FLOOR, M-23, Road NO.- 25, Near SBI Sri Krishna Nagar, Patna-800001.
Phone No.: 0612-2520545 or 9504661237,9835871522,9852764810,9504486212.
2. E-Wizard Helpdesk
A-41 Himalayan House 23, K G Marg, New Delhiu-110001, Phone No.011-49606060.

The intending bidder must have valid class-III (**Singing+ Encryption**) Digital signature to submit the bid online. For this intending bidders may contact above mentioned helpdesk numbers.

3. General Terms and Conditions
 - a) Quality Cum Cost Based System (QCBS) methods will be used for evaluation and selection of consultant. In this method, proposal will be ranked according to their combined technical (ST) and financial (SF) scores. The weight of technical and financial scores will be 70 and 30 respectively.
 - b) The bidder, who will qualify pre-qualification criteria, will be considered for technical evaluation. Bidder after qualifying in Technical Evaluation will only be considers for Financial Bid evaluations.
 - c) The rates quoted are to be F.O.R Director, Institute of Forest productivity, Lalgutwa , Ranchi. Rates are to be strictly quoted in Annexure-C of the tender document only, else it will be considered as in valid.
 - d) The Tender should be accompanied with Bank Draft/FDR/Bank Guarantee/ Bankers Cheque issued by any nationalized bank of Rs. 50,000/- (Rupees Fifty Thousand) Only payables to Director, Institute of Forest Productivity, Ranchi as Earnest Money Deposit (EMD) and should be valid for six months from the date of bid opening. Tenders submitted without Earnest Money Deposit will be treated as invalid.
 - e) The EMD is liable to be forfeited, if the bidder withdraws or impairs or derogates the bid in any respect or manner within the period of the validity of the offer. The EMDs of all the bidders except those whose technical bids have been accepted shall be returned within 30 days of finalization of the technical bids.
 - f) The EMD of the successful bidder shall be returned within a week after furnishing of necessary performance Guarantee, If the successful bidder fails to furnish the performance Guarantee within the stipulated period, the EMD shall be kept up to the successful completions of the work as performance guarantee.
 - g) All the data generate will be the property of the institute/organization and in no case it should not be use for any other purposes or published elsewhere without a proper written permission.
 - h) Soft copies of the complied data/data shape files/ maps etc. have to be submitted to the institute.
 - i) Conditional Tenders are liable to be rejected.
 - j) In case of any dispute, the CPC-cum-Director IFP shall decide the issue and his/her decision will be final and shall be the binding on the parties.
 - k) The Director reserves the right without assigning any reasons thereof to:

- I) Accept or reject whole or any part of an offer.
- II) Reject any or all offers partly or wholly
- III) Cancel or withdraw the Tender notice.
- IV) Accept or reject any deviations from these conditions.

Qualifying requirements and documents to be furnished

4. Pre-Qualification Criteria :

The Bidder, who qualifies the pre-qualification criteria, will consider for the technical evaluation.

(All Details should be provided as per Annexure-A&B)

- 4.1 Tender Document Fee of Rs.590/- (Not Refundable) should be paid in favor of the Director, Institute of Forest productivity, payable at Ranchi. **(Scanned copy of the same should be uploaded as part of the bid).**
- 4.2 The bidder will have to furnished an Earnest Money Deposit of Rs. 50,000/- (Rupees Fifty Thousand)Only in the form of DD / FDR / Bank Guarantee / Bankers Cheque issued by any nationalized bank, in favor of Director, Institute of Forest Productivity, payables at Ranchi. **(Scanned copy of the same should be uploaded as part of the bid).**
- 4.3 The agency must be a firm or legal entity i.e. (Private Company incorporated in India under the (Indian) companies Act 1956/2013 or a company incorporated under equivalent law abroad, Partnership Firm registered partnership Act,2008 or a Society registered under The Societies Registration Act,1860. The applicant agency must have been operational in India from at least 10 years. **(Registration/ Incorporation Certificate must attach).**
- 4.4 The agency must have sufficient work experience in the field of Remote sensing and GIS based project in India for more than 10 years. **(Work order and completion certificates must attach as proof of experience)**
- 4.5 The agency must have experience of similar kind of services with Government organization/public sector undertakings etc. During last seven years having similar or greater magnitude of works scope. **(Work orders and Completions Certificates must attach as proof of experience).**
- 4.6 The agency should have a well-established office with minimum infrastructure comprising High End Desk Top Computer/Work Station, A0 size on larger scanner, A0 size on larger plotter along with standard image processing ERDAS Imagine /ArcGIS/ Geomedia software's. (Proof must be attached for said infrastructure/ facilities).
- 4.7 The agency must have PAN of income tax department (Attach PAN and Income Tax clearance Certificate of last three years i.e 2019-20, 2020-21 & 2021-22.
- 4.8 The agency must have valid GST Registration Certificate **(Copy must attach).**
- 4.9 The agency must have minimum annual turnover of Rs. 75 lakh for the last three F.Y. I.e. 2019-20, 2020-21 & 2021-22. **(Certified copy of audited balance sheets along with certificate from chartered accountant must attach)**
- The Consultant Firm shall not be a Consortium.
- 4.10 The agency must not have been penalized by nay Central/ State Govt./PSU /Autonomous bodies and the like. **(Self-declaration on Company letter head).**
- 4.11 The agency must not have been penalized by any Central/State Govt./PSU/Autonomous bodies and the like for delayed completion of work or carrying substandard work. **(Self-Undertaking on Company Letter head)**
- 4.12 The agency must have sufficient technical staff/man power along with experienced executives. **(Undertaking on company letter head)**

NOTE: The information asked for in attached Annexure-A and B must be furnished in given format only and should be supported by necessary documents. It may be noted that supporting documents alone shall not be accepted as substitute for the information asked for in the Annexure- A and B.

Annexure-A
Pre-qualification criteria- Compliances must be filled by the bidder

Sl.no	Description	Compliance Yes/No	Page No. Of Document Attached
4.1	Tender Document Fee of Rs.590/- (Not Refundable) should be paid in favor of the Director, Institute of Forest productivity, payable at Ranchi. (Scanned copy of the same should be uploaded as part of the bid).		
4.2	Earnest Money Deposit of Rs. 50,000/- (Rupees Fifty Thousand) Only in the form of DD / FDR / Bank Guarantee / Bankers Cheque issued by any nationalized bank, in favor of Director, Institute of Forest Productivity, payables at Ranchi. (Scanned copy of the same should be uploaded as part of the bid).		
4.3	The agency must be a firm or legal entity i.e. (Private Company incorporated in India under the (Indian) companies Act 1956/2013 or a company incorporated under equivalent law abroad, Partnership Firm registered partnership Act,2008 or a Society registered under The Societies Registration Act,1860. The applicant agency must have been operational in India from at least 10 years. (Registration/ Incorporation Certificate must attach).		
4.4	The agency must have sufficient work experience in the field of Remote sensing and GIS based project in India for more than 10 years.(Work order and completion certificates must attach as proof of experience)		
4.5	The bidder must have experience of GIS analysis /modeling related to river rejuvenation and or similar kind of services with Government organization/public sector undertakings etc. During last seven years having similar or greater magnitude of works scope. (Completions Certificates must attach as proof of experience).		
4.6	The agency should have a well-established office with minimum infrastructure comprising High End Desk Top Computer/Work Station, A0 size on larger scanner, A0 size on larger plotter along with standard image processing ERDAS Imagine /ArcGIS/ Geomedia software's. (Proof must be attached for said infrastructure/ facilities).		
4.7	The agency must have PAN of income tax department (Attach PAN and Income Tax clearance Certificate of last three years i.e., 2019-20, 2020-21 & 2021-22).		
4.8	The agency must have valid GST Registration Certificate (Copy must attach).		

4.9	The agency must have minimum annual turnover of Rs. 75 lakh for the last three F.Y. i.e. 2019-20, 2020-21 & 2021-22. (Certified copy of audited balance sheets along with certificate from chartered accountant must attach)		
4.10	The Consultant Firm shall not be a Consortium.		
4.11	The agency must not have been penalized by nay Central/ State Govt./PSU /Autonomous bodies and the like. (Self-declaration on Company letter head).		
4.12	The agency must not have been penalized by any Central/State Govt./PSU/Autonomous bodies and the like for delayed completion of work or carrying substandard work. (Self-Undertaking on Company Letter head)		
4.13	The agency must have sufficient technical staff/man power along with experienced executives. (Undertaking on company letter head)		

5. Technical Evaluation

Pre-qualification criteria given in para- 4 will be evaluated by Tender Committee and those qualify will be considered for further evaluation.

Technical Bid shall bear maximum marks 100 and the minimum marks for qualifying the technical bid shall be 70 marks. Bidder after qualifying in Technical evaluations will only be considers for Financial bid evaluation.

The breakup of minimum marks shall be based on the following parameters:-

Sl. No	Parameter	Max. score	Details	Breakup	Page No. of Documents attached
1	Bidder must have relevant ISO 9001:2008 or 9001:2015 certificate in the line of business. (Copy certificate must attach)	10	NO	0	
			Yes	10	
2	The bidder should have minimum average annual turnover of Rs. 1.00 CR. In last three F.Y i.e., 2019-20, 2020-21 & 2021-22.	10	Rs.75 lakh 10 Rs. 1.00 Cr.	05	
			Above Rs. 1,00 Cr.	10	
3	The bidder should have experience of GIS analysis /modeling related to river rejuvenation and or similar kind of services with Government organization/Public sector undertaking etc. during last seven years with similar or greater magnitude of work scope. (Completion certificate must enclosed along with work order)	30	One Project	15	
			More than one project	30	
4	Sr. Consultant/Tea Leader should have minimum qualification of Post-Graduation or M. Tech IN RELEVANT FIELD OR PG Diplomas in Remote sensing /GIS/ Geo-informatics with experience of 5-10 years in Remote sensing & GIS. (Detailed CV along with qualification document must enclosed).	10	No	0	
			Yes	10	
5	A detailed work plan, proposed Approach and Methodology along with timeline. Technical approach to be followed by the consultant for completing the project.	40	No	0	
			Yes	40	

NOTE:

- A clear and detailed Approach and Methodology towards the assignment. A work plan on how the methodology will be executed in the given time shall be attached. IFP may request the shortlisted consultants to make presentation if required. (The dates of presentation would be intimated accordingly).
- The documents already enclosed in prequalification criteria, need not to be attached again. Page no. should be mentioned clearly for the technical evaluations.

6. Evaluation of Proposals

A three-stage evaluation procedure will be adopted,

Stage-1 evaluation of technical proposal

The Technical evaluation committee appointed by IFP, Ranchi will carry out its evaluation applying the evaluation criteria and point system.

The technical evaluation criteria will include the firm's relevant experience, technical manpower (qualification, availability and experience) and availability of necessary infrastructure machinery etc. The technical evaluation also includes examination of the quality of samples/reports of past jobs submitted with the proposal. Evaluation will be carried out for total technical score (St) of 100 and scoring 70 points out of 100 will be the eligible criteria for financial evaluation.

Stage-2 Evaluation of Financial Proposal

The evaluation committee will determine if the financial proposal are complete and without computational errors. The lowest financial proposal (FM) (The currency is in India Rupees) will be given a financial score (SF) of 100 points. The financial scores of other proposals will be computed as follows:

SF= 100 X FM/F (Where F is amount of financial proposal, FM is lowest financial proposal).

Stage-3 Final Evaluation of the Bid

Proposal will finally be ranked according to their combined technical (St) and financial (SF) scores using the weights $S = St \times T\% + SF \times F\%$

The weight (T %) given to the Technical Proposal is 70%

The weight (F %) given to the Financial Proposal is 30%

7. SCOPE OF WORK:

The following GIS layers needs to be prepared.

- Watershed boundary delineation up to Micro watershed level.
 - Demarcation of Catchment area.
 - Demarcation of study area boundary.
 - Creation of state, District and sub district boundaries from census of India
 - Creation of mosaic of village boundaries from Census of India.
 - LULC map to be prepared from Satellite Data using visual interpretation at 1:50,000 scale (Built-upLand, Agricultural land, Forest , Waste Lands, Water Bodies and Area which are important or sensitive for ecological reasons like wetlands,watercourses or other water bodies, biospheres, mountain, forests, Protected Areas, Notified Eco-sensitive area, mangroves etc.)
 - Digital Elevation Model(DEM): Slope, Aspect, Hill-Shade
 - Forest Type Map
 - Forest Density Map
 - Soil Type Map for different soil characteristics
 - Soil Erosion Map
 - Drainage Map from satellite data
 - Road and settlement locations from topographical sheets
 - Identification of suitable zones using multi-criterion analysis for forestry interventions.
 - Geospatial modelling for forestry intervention in identified area.
 - Demarcation of boundaries for different categories of forestry intervention as provided by stake holders on high resolution satellite imagery.
 - Composition of maps in AO or A1 size and A4 size.
 - Ground truth verification for Land-use and Forest Density Maps and any other outcome derived through study.
 - Preparation of plantation Layer (If any previously carried out by the stake-holder falling under AOI (Area of Interest) and its validation.
 - Map/Graph/Chart/Statistics derived out of study for Report need.
- i. The above list the Role and responsibility or Technical service Provider with reference to preparation of GIS layers and maps.
 - ii. Map composition has to be done for the entire catchment as well as state wise
 - iii. For preparation or repots and presentation thereof the technical service Provider shall provide clear description of methodology to be adopted and they should imbibe G.I.S. Compatibility of information/attribute data in all the phases and stages of the subject of his assignment.
 - iv. During the course of implementation of project, if the vendor feel the need of any more data layer (other than above mentioned), the vendor shall submit the request to IFP an IFP shall arrange the procurement of the data (if not freely available); that implies freely available data including satellite imagery (Landsat, sentinel, Aster, DEM, SRTM, Cartosat, ALOS) shall be procurement by vendor only.
 - v. Layers ready to be used in GIS environment must be produced. All GIS layers (developed/procured) by service provider should be written in CD/DVD in a format compatible with ERDAS and ArcGIS Software.
 - vi. Layers have to be prepared for the entire catchment.
 - vii. Map composition has to be done for the entire catchment as well state-wise

- viii. For preparation or reports and presentation thereof the technical service Provider shall provide clear description of methodology to be adopted and they should imbibe G.I.S. Compatibility of information/attribute data in all the phases and stages of the subject of his assignment.
- ix. Demarcation of the above prioritization area would be done on Survey of India top sheet. All maps would show potential areas identified by the service provider on scanned (minimum 300 dpi) survey of India top sheets (1:50k)
- x. All the maps and databases, both original and derived, in hard & soft copy, would now and in future continue to be the property of IFP on behalf of MoEF&CC and would not be used/utilized by the service provider for any other purpose or project, whatsoever.
- xi. Layers ready to be used in GIS environment must be produced (including LULC map ready to be used for all the five States). All GIS layers developed/procured shall be captured in CD/DVD in a format compatible with ERDAS, ArcGIS and QGIS.
- xii. The service provider would have to present the first, second and final report as per Time Schedule of work and defend the same for scrutiny by Technical committee duly constituted by the CPC-cum-Director IFP.

8. Time Schedule of Work

- a) The complete scope of work is to be completed within a maximum period of 9 months.
- b) Time is essence of this contract. Therefore, no extension of time for whatsoever reason shall be permitted.

9. Deciding Award of Contract

- a) Quality and competence of the technical service provider shall be considered as the paramount requirement. Followed by financial bids.
- b) The CPC-cum-Director IFP reserves the right to accept or reject any or all the proposals without assigning any reason.
- c) You are requested to hold your proposal valid for 30 (Thirty) days from the date of submission. During this period you will maintain your proposed price without change. The IFP will make its best efforts to finalize the agreement within this period.
- d) Please note that the cost of preparing a proposal and contract including visits to IFP, if any is not reimbursable.

10. Regarding contract

- a) If any part of the contract does not correspond or agree with any other part, or if any question arises as to the meaning of the terms of the contract or as to the performance of the work, CPC-cum-Director IFP shall determine the matter and his/her decision shall be final and binding upon the parties hereto.
- b) The contract when executed by the parties hereto shall constitute the entire contract between the parties in connection with the works covered, and shall be binding upon the parties hereto or upon either of them unless the said modification shall be in writing and duly executed by IFP and the firm.
- c) The contract shall not be assigned or sublet in whole or in part by the firm without prior written consent of project Coordinator. Any assignment or subletting of this contract by the firm without prior written consent of Project Coordinator or any interest therein, or of a money due or to become due by reason of the terms hereof, shall be null and void.
- d) The CPC-cum-Director IFP and/or Project Coordinator has the powers to cancel the contract at one-week notice, if the service of the contractor are found unsatisfactory or otherwise.

11. Taxes & Duties

- a) The prices shall be inclusive of all taxes & levies including GST and other statutory duties as applicable. Rate of taxes should be indicated separately in the Price Bid.
- b) Statutory deduction, wherever applicable, shall be made from invoice as per government rules. Necessary certificate will be issued for such deductions.
- c) GST component of the invoice of the bidder may be kept on hold in case there is any mismatch/irregularity in GST return filling on the part of the bidder.

12. Penalty

In the event of failure to meet the job completion in stipulated date/time liquidated damage may be imposed on the contractor for sum not less than 0.5% of the contract value for that item/job for each week or part thereof.

13. Terms of payment

- a. **30 % payment will be made to the technical Service Provider on signing of the contract.**
- b. **30% payment will be made to the Technical Service Provider on submission of third Draft report and map.**
- c. **40% Final payment will be made on submission and acceptance of work by the department.**

14. Arbitration

- a) Except where otherwise provide in the contract all questions and disputes whatsoever in any way arising out of or relating to the contract or otherwise concerning the work or the execution or failure to execute the same weather arising during the progress of the warranty period or after the completion or abandonment thereof shall be referred to the sole arbitration of the person appointed by the CPC cum – Director IFP on this behalf at the name of dispute. There will be no objection to an such appointment that the arbitrator so appointed is an employee of IFP, or government servant or that he had to deal with the matters to which the contract relates or that in the courses of his duties as employee of FRI, or government servant, he had expressed views on all or any of the matters in disputes of differences. The arbitrator to whom the matter is originally referred being transferred or vacating his office or being unable to act for any reason, shall be replaced by another person as decided by CPC cum-Director IFP, to act as arbitrator in accordance with the terms of the contract. Such person shall be entitled to proceed with the reference from the stage at which it was left by his predecessor. It is also a term of this contract that no person other than a person appointed by the CPC cum-Director, IFP should act as arbitrator and if for any reason, that is not possible, the matter is not to be referred to arbitration at all in all cases where the amount of the claim in disputes is Rs.50, 000/- and above, the arbitrator shall give reasons for the award.
- b) Subject as aforesaid, the provision of the Arbitration and Conciliation Act 1996 or any statutory modification or re-enactment thereof and the rules made there under and for the time being in force shall apply to the arbitration proceeding under this clause.
- c) Services under the contract shall notwithstanding the existence of any such dispute, question or controversy, continue during arbitration proceedings and no payment, due or payable by IFP or the firm shall be withheld on account of such proceeding unless such payments are the direct subject of the arbitration. Reference to arbitration shall be condition precedent at any other action at law.

Pre-qualification Criteria
PARTICULAR OF THE FIRM

1. Name of the consultant/consulting firm :
2. Type of organization :
(individual/partnership/corporation/other)
3. Date of establishment :
4. Corporate/Registered office address in full : Address:
Pin:
E-mail:
Phone:
5. Local Business Office address in full :
6. Contact person for this Tender : Name:
Designation:
Full
Address:
Pin:
Email:
Phone:
7. Authorized person who have signed Tender Documents : Name:
Designation:
Full
Address:
Pin:
Email:
Phone:

8. Details of financial turnover:

S No.	Financial Year	Total Turnover (In INR)
1	F.Y. 2019-20	
2	F.Y. 2020-21	
3	F.Y. 2021-22	

9. Details of sufficient work experience in the field of remote Sensing and GIS based projection in India for more than 10 Years:

S.No.	Title of the Assignment	Name of the client	Start date (Month/Year)	Completion date (Month/year)	Cost of the assignment	Proof completion attached

10. Details of similar kind of services with Government Organization /Public Sector undertaking etc. during last ten years with similar or greater magnitude of work scope:

S.No.	Title of the Assignment	Name of the client	Start date (Month/Year)	Completion date (Month/year)	Cost of the assignment	Proof completion attached

Enclosures:

- (a) Any other relevant document(s) (Please list)
- (b) Pre-Qualification compliance (Filled Annexure-A must enclosed)

Signature of Bidder

Name
With Seal of the Firm

Date:
Place:

FINANCIAL PRPOSAL

Tender Name-				
Technical Services for Preparation of GIS Layers, Maps, Geospatial Modelling& Analysis for the Project 'DPR Preparation for Rejuvenation of Damodar and Subarnarekha and its major tributaries and distributaries through forestry intervention for Institute of Forest Productivity, Ranchifor Institute of Forest Productivity, Ranchi				
Schedule of Works				
Sl. No.	Description of Work	Qty.	Unit Price (In Rs.)	Total Price (In Rs.)
1.	Technical Services for Preparation of GIS Layers, Maps, Geospatial Modelling & Analysis for the Project 'DPR Preparation for Rejuvenation of Damodar and Subarnarekha and its major tributaries and distributaries through forestry intervention' for Institute of Forest Productivity, Ranchi	01 Job		
	Total Price (in Rs.)			
	Tax/GST @			
	Grand Total in Figures			
	Grand Total in Words-			

Signature of Bidder

Name
With Seal of the Firm

Date:

Place: