Tender Enquiry No: IIRS/PandS/MPR-26017

Date: Monday, July 23, 2012
Due Date: Tuesday, August 07, 2012 (at 1500 hrs.)

As per List Attached

Kindly submit your quotations in a sealed envelope superscribed on top of envelop with Enquiry No. due date for the supply of the following as per terms & conditions mentioned below.

<table>
<thead>
<tr>
<th>Sl No</th>
<th>Material Description</th>
<th>Unit</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Maintenance of Biodiversity Websites <a href="http://www.bisindia.org">www.bisindia.org</a> &amp; <a href="http://www.ibin.co.in">www.ibin.co.in</a> for one year from 01/07/2012 to 30/06/2013 terms &amp; conditions attached.</td>
<td>Lot.</td>
<td>1</td>
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(Note: This is retendering of our tender enquiry of even number dated June 19, 2012. You are requested to quote fresh, even if you had quoted earlier against above enquiry).

Terms and Conditions:
1. Payment will be made on quarterly basis subject to production of certificate of satisfactory maintenance carried out for the particular period from our user department on the bill in duplicate.
2. IIRS reserve the right:
   a) to enter into parallel rate contract simultaneously or at any time during the period of the rate contract with one or more tenderers, and b) to place Ad-Hoc contract or contract simultaneously or at any time during the period of the contract with one or more tenderers.
3. Order can be extended by one more year if the services are found satisfactory during the current period.

Purchase and Stores Officer
Indian Institute of Remote Sensing

Please See Our Web Site: "www.iirs.gov.in" for all tenders
MAINTENANCE OF BIODIVERSITY WEB PORTALS
(www.bisindia.org) and (www.ibin.co.in)

1. GENERAL TERMS AND CONDITIONS
   • Both the Portals are to be maintained in working condition, edited and updated on regular basis
     as and when required by IIRS for effective communication as per tender document as needed.
   • Regular data backup and recovery of the portals should be done by the vendor at least on
     monthly basis.
   • Ensure 24x7 basis availability of the portals at public domain and should ensure that the portals
     will have at least 99% uptime.
   • Web user monitoring and ensure data and network security.
   • The portal to be maintained as per the International Standard and adhere to Government of
     India protocols and also vulnerability to be removed on time to time basis for better security of
     the portals
   • Complete debugging of the data from time to time to be ensured.
   • Software patch updates and up gradations at regular intervals.

2. IBIN PORTAL SPECIFICATION
   The IBIN portal consists of the following databases under the core nodes and distributed data providers
   1. Spatial Node: Sample Gridded Distributed Datasets as Backdrops
      a. Vegetation Type
      b. Fragmentation
      c. Disturbance Index
      d. BiologicalRichness
      e. Sample Plots Grids
   2. Species Node: Sample Species Datasets
      a. JeevaSampada
      b. SasyaSampada (plant)
      c. JeeviSampada (animal)
      d. SagaraJeevaSampada (marine and microbial) etc.
   3. Sample IBIN Metadata Structure based Datasets
      a. Plant Species
      b. Animal
      c. Marine & Microbial
      d. Chromosomes etc.
   4. End user datasets

2.1 Nature of Work
IBIN distributed Portal needs maintenance of different modules of the following features:
   • Metadata and service registry creator and metadata submission module.
   • XML schema creator for data providers and web publishing utility.
   • Customized interface description layer module for WSDL
   • Data mirroring at primary nodes needs to be maintained
   • Data security and authorizations needs to be monitored on regular basis
   • The user queries and request will be automatically diverted to the concern data providers
     for necessary actions module
• Metadata standard of geospatial data and other IBIN data.
• Application, database web server configuration management and maintenance.
• Data and application Quality Check (QC) activity for all the data sets.
• Central server management, data and catalogue updation, user management and monitoring, regular data backup and recovery, performance tuning will be on priority basis.
• Portal software updations and new utilities development as per the requirements.

3. BIS PORTAL SPECIFICATION
The national database on Biodiversity Characterization at landscape level is ready and being organized as a national database repository. The above information is being disseminated through BIS portal. The Biodiversity Information System (BIS) web portal has to emerge as a geo-web application which is much more advanced system than simple geo-visualization system. The complete portal will be envisaged using FOSS technology.

The BIS portal consists of the following centralized databases
1. Spatial Node:
   a. Raster
      • Vegetation Type
      • Fragmentation
      • Disturbance Index
      • Biological Richness
   b. Vector
      • Sample Plots Grids

2. Sample BIS Metadata Structure based datasets
   • Plant Species

3. End user datasets

3.1 Nature of Work
BIS centralized portal needs maintenance of different modules of the following features:
• Addition/Updations/Deletion of content of the portal.
• Portal software updations and new utilities development as per the requirements.
• Central server management, data and catalogue updation, user management and monitoring, regular data backup and recovery, performance tuning will be on priority basis.
• Bug fixing on priority basis.
• Regular monitoring of the portal and generating reports on portal uptime and traffic/user statistics.
• Application, database web server configuration management and maintenance.
• Data security and authorizations needs to be monitored on regular basis

4. TERMS & CONDITIONS
1. Payment will be made on quarterly basis subject to production of satisfactory performance report from the user. No advance payment will be made under my circumstance.
2. The total amount of the order will be based on items quoted and its price, and unit done. Items not mentioned and not falling in any category will be taken as free without any cost.

(Signed: [Signature])
3. A completion note has to be provided by you after finalization of outputs to the full satisfaction of the user department.

4. In case non-completion of any specified work satisfactory within the stipulated time a penalty @ 10% of the cost of total work will be charged per month and or part thereof on the period actually involved.

5. In case of poor service, not improved to the satisfaction of the user and it continues even after 15 days notice to improve upon, the contract can be cancelled without any further notice.

6. The contract may be extended for another two years depending upon the previous service and user satisfaction.

7. 10% security money of the order value should be submitted to IIRS within a week from date of receipt of order which will be released on completion of order.

8. IIRS reserve the right:
   a. To enter into parallel contract simultaneously or at any time during the period of the contract with one or more tenders.
   b. To place ad-hoc contract of contracts simultaneously or at any time during the period of the contract with one or more tenders.
   c. To terminate the contract by giving one month time.

9. Director, IIRS reserve the right to terminate the contract at any time for any part of the period of full period without assigning any reason, therefore, if the services are not found to be satisfactory.

5. TECHNICAL CAPABILITY OF THE VENDOR

A. Web Portal Development Experience
   a. Experience in web application development and deployment using Service Oriented Architecture (SOA)
   b. Use of UDDI, SOAP and WSDL XML based protocols for developing clearinghouse based portal
   c. Knowledge of XML for schema development and XSL with XSLT for advanced styling
   d. Distributed searching mechanism for decentralized application i.e. metadata based searching.
   e. Web application development experience using AJAX web 2.0, W3C recommendations, open standards towards interoperability

B. Open Source Application Development
   Vendor should have experience in developing applications using open source softwares like
   a. Web Development: PHP etc.
   b. Database Management System: PostgreSQL etc.
   c. Spatial Database Management System: PostGIS with Postgres
   d. Map Server: UMN Map Server or Geoserver etc
   e. Content Management System using Drupal or Joomla s/w etc

C. Spatial Databases & Spatial Data Dissemination over Web
   a. Experience in designing and developing GIS database
b. Experience in developing OGC GML application schema and converting existing digital data in shape and other proprietary formats to GML conforming to the application schema

c. Experience in providing ISO/OGC compliant web-based services like map service, feature service; catalogue service; coverage service; registry service from a geo-relational database

d. Experience in developing and deploying web-enabled portal solutions and large scale web based GIS applications

e. Experience in developing and deploying identity management or access control/ payment gateway solutions.