

**DEVELOPMENT OF SOFTWARE
FOR
COMPUTATION OF INDICES OF FOREIGN TRADE IN INDIA**

AT

DGCI&S, KOLKATA

**Last Date for submission of bids
16-11-2016**

Directorate General of Commercial Intelligence & Statistics
Department of Commerce
Ministry of Commerce & Industry
Govt. of India
565-Anandapur, Plot No.22, Sector – I
Kolkata – 700 107

IMPORTANT NOTE FOR BIDDERS

- 1 Tenders are invited for technical and financial bids in separate sealed covers from reputed firms for development of software for computation of Indices of Foreign Trade in India. Both the sealed covers will have to be put in a third sealed cover.
- 2 The general term & conditions of the project are to be enclosed separately in technical bid document.
- 3 The organization will not take any responsibility for delay, loss or non-receipt of documents/ tenders sent by post.
- 4 The quotation in sealed cover, super-scribing "Tender for development of software for computation of Indices of Foreign Trade in India" in the name of Director General, DGCI&S, Kolkata should reach this office **by 3.00 p.m. of 16-11-2016.**
- 5 All the sealed tenders should be submitted to the Dy. Director/H.O.O between 11.00 a.m. to 5.00 p.m. on working days (Monday to Friday except notified holidays).
- 6 Unsealed envelopes will not be accepted.
- 7 Any form of canvassing will make the quotation cancelled without showing any reason.
- 8 Technical bids will be opened first. Financial bids will be considered for those vendors satisfying the specified technical requirements.
- 9 Technical bid should contain a detailed proposal mentioning the technology to be used and time frame for executing the project.
- 10 The following documents are also required to be submitted with the technical bid:
 - i) Firm Registration Certificate or equivalent providing address,
 - ii) Permanent Account Number (PAN),
 - iii) Service Tax Registration number.

11. Technical competencies desired from the vendor:

The firm should be a technology company focused on Data Science, Machine learning and Mobility services having personnel with niche Technical background. The firm should have proven expertise in following areas:

- a) Data Engineering and Natural Language Processing (NLP) and Reporting.
- b) Applications development on mobile platforms like Android.
- c) The firm should have experience on both the above mentioned jobs (i.e., on items (a) & (b)) during the last two years.
- d) Collaboration with a Central Govt or Central Government sponsored institution in the area of Data Science and related IT jobs thereby enabling access to latest best practices which will benefit the Department of Commerce for future developments.
- e) The company should have a partnership with a global Software product company who provides machine learning application development and hosting platform for advanced statistical analytics.

Related documents, like copies of Agreements/Purchase Orders/Invoices/Statement of Work in support of the above mentioned experiences are to be submitted while responding to the tender. A short profile of the technical lead is also required to be provided.

11. For any clarification, the interested vendors may contact Dr. Amitava Saha, Director, DGCI&S, Telephone No.2243-4050 between 11.00 a.m. to 5.00 p.m. on any working day.

Description of work to be done for Index computation:

Design and Development of a software package which can compute trade indices (i.e., value and quantity indices) related to import and export of various commodities of India. The commodities are related to existing harmonized classification methodology grouped into 168 principal commodity groups, each consisting of a number of 8 digit HS codes. The input data for trade indices computation may have missing values and inconsistent values which the software needs to take care as per the suggested methodology. Aggregate level data to be used for computation of indices are maintained in Oracle RDBMS.

The package should be capable of computing indices utilizing standard international classification of commodities like, Broad Economic Classification (BEC) and Standard International Trade Classification (SITC) and also capable of producing trade indices with various grouping of countries/regions.

The package should be scalable to accommodate features like prediction of unit values and access reports from mobile devices which might be incorporated in future.

General Terms and Conditions:

- The deliverable will be a standalone software system running on a local Oracle database.
- The vendor will prepare an SRS (Software Requirement Specification) and obtain the approval of DGCI&S on it within one month from the date of awarding the contract.
- Test data has to be made by the vendor for testing the modified package. However, they may take help of DGCI&S officials in this regard.
- The work will be completed within four and a half months from the date of Work Order.
- Payment will be made on the basis of a schedule (to be submitted by the vendor) linked to progress of the project in a phased manner.
- Rate/Price for post warranty maintenance may be included.
- DGCI&S reserves the right of cancellation of the tender, wholly or partly, without mentioning any reasons for the same.
