



Government of Haryana

Department of Economic & Statistical Analysis, Haryana

Tender Document No DESA/IT/2809

*Appointing a System Integrator
(Application development, configuration, training and post implementation support)
for the Computerization
of the
Department of Economic & Statistical Analysis, Haryana*

**Department of Economic & Statistical Analysis,
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1. TENDER NOTICE

DEPARTMENT OF ECONOMIC & STATISTICAL ANALYSIS, (PLANNING DEPARTMENT), HARYANA.

Invitation of Sealed Tenders for appointment of a System Integrator (SI) for designing and implementing a comprehensive computerized solution for the Department of Economic & Statistical Analysis.

Department of Economic & Statistical Analysis (DESA) invites Sealed Tenders for appointment of a System Integrator (SI) to carry out Feasibility Study, Requirements gathering, data entry, Design and Development of Application Software, Implementation, Training and operations support from competent agencies / companies with experience on such computerization projects involving large scale data processing and data analysis in India.

The offer document is available for downloading at the Website of Department of Economic & Statistical Analysis, Haryana viz.: <http://www.esaharyana.gov.in>.

Sr. No.	Description	Cost of Tender
1.	Appointment of a Competent System Integrator for Designing and Implementing a Computerized solution for the Department of Economic & Statistical Analysis.	Rs. 5000/- in the form of Demand Draft (Non Refundable) in favour of "Director, Department of Economic & Statistical Analysis", payable at Chandigarh.

The Tender will be sold from 04.02.2011 (from 10.00 hrs) till 28.02.2011 (upto 15.00 hrs). Tender will be accepted up to **17.00 Hrs. on 28th February, 2011**. The Department of Economic & Statistical Analysis reserves the right to accept or reject any/all Tender offer without assigning any reason.

Sd/-
**Director of Economic & Statistical
Analysis, Haryana**

No. DESA/IT/2809
Dated – 04/02/2011.

2. SCHEDULE

Tender Reference	DESA/IT/2809
Download of Tender document	Visit Department's web site: www.esaharyana.gov.in
Price of Tender document	Rs. 5000/- in the form of Demand Draft (Non Refundable) in favor of "Director, Department of Economic & Statistical Analysis", payable at Chandigarh.
Date of Sale of Tender	From 04.02.2011 (from 10.00 hrs) to 28.02.2011 (upto 15.00 hrs)
EMD	Rs. 2,00,000/- in the form of Demand Draft/Banker's Pay Order in favor of "Director, Department of Economic & Statistical Analysis", payable at Chandigarh.
Date and Time for Pre-Bid Conference	22.02.2011 at 11.00 hrs.
Pre-bid Conference Venue	Department of Economic & Statistical Analysis, Haryana Yojana Bhawan, Bays 21-28, Sector-4, Panchkula-134109.
Last date to send in requests for clarifications on the tender	14.02.2011 at 17.00 hrs.
Last Date and Time for submission of sealed tender offers.	28.02.2011 at 17.00 hrs.
Time and Date of opening of Technical Bid	01.03.2011 at 11.00 hrs.
Presentation on Technical Bid	04.03.2011 at 11.00 hrs.
Opening of Commercial Bids	11.03.2011 at 11.00 hrs.
Language of the bid	This bid should be filled in English language only. If any supporting documents are to be submitted, in any other language other than English, then translation of the same in English language, attested by the bidder should be attached.
Contact Person	Manoj Kumar Goel, Deputy Director (IT) Department of Economic & Statistical Analysis, Haryana Yojana Bhawan, Bays 21-28, Sector-4, Panchkula-134109, Ph. No. 0172-2560137.
Address for submission of Tender	Director Department of Economic & Statistical Analysis, Haryana Yojana Bhawan, Bays 21-28, Sector-4, Panchkula-134109, Ph. No. 0172-2560137.

3. PROCEDURE FOR SUBMISSION OF TENDER

There will be two Cover System for this tender:

- a) Technical Bid (2 copies) along with the same information on CD in one cover.
- b) Commercial Bid (2 copies) along with the same information on CD in one cover.
- c) Each copy of Technical Bid and Commercial Bid of the Tender should be covered in separate sealed covers super-scribing “Technical Bid” and “Commercial Bid” respectively. Out of the copies of both of Technical Bid & Commercial Bid should be marked as “Original” and the second copy of the bid should be marked as “First Copy”. All the two copies of each bid should be put in a single sealed cover super-scribing “Technical Bid” and “Commercial Bid” as the case may be.
- d) Please note that Prices should not be indicated in the Technical Bid and should only be indicated in the Commercial Bid. Bidder must ensure that Technical Bid CDs do not contain any Commercial prices.
- e) All CDs submitted by the Bidder must be in sealed covers. The sealed covers as well as the CD media must be duly signed by the Bidder using a “Permanent Pen/Marker” and should be super scribed with “Technical Bid”/“Commercial Bid” (as the case may be) and must bear the name of the Bidder.
- f) The cover containing two copies of Technical Bid and the cover containing two copies of Commercial Bid should be put in another single sealed envelope with the marking **“Appointment of a Competent System Integrator for Designing and Implementing a Computerized solution for the Department of Economic & Statistical Analysis.”**
- g) The envelopes are to be super scribed with Tender Number, Due Date, item and the wordings “DO NOT OPEN BEFORE 11.00 hrs on 01.03.2011 for Technical Bids and 11.00 hrs on 11.02.2011 for Commercial Bids.
- h) The document should be page numbered and appropriately flagged and must contain the list of contents with page numbers.
- i) Bidder must ensure that the information furnished by him in respective CDs is identical to that submitted by him in the original paper bid document. In case of any discrepancy observed by DESA, in the contents of the CDs and original paper bid documents, the information furnished on original paper bid document will prevail over the soft copy.
- j) Bids not submitted in prescribed form will be rejected.
- k) No Technical Bid will be opened without Earnest Money Deposits (EMD).

4. Haryana at a Glance

The State of Haryana came into existence on November 1st, 1966. The Department of Economic and Statistical Analysis (DESA) is responsible for the collecting official statistics, conducting surveys, censuses and providing statistical data to the various govt. departments such as Planning, Finance, Agriculture, Education, Health and Social Welfare etc. for policy formulation. DESA is collecting data from almost all State Government Offices/ Board and Corporations located in Chandigarh and 21 districts of Haryana State. DESA provides data to both the State and Central Governments. DESA plays a crucial role in the socio-economic development of the State by providing regular and reliable information on growth parameters and social indicators. The Administrative structure and some economic development indicators for the State are as under:-

Administrative Structure

Division	4
Districts	21
Sub-Division	54
Tehsils	74
Sub Tehsils	44
Blocks	119
Towns	106
Villages Including Uninhabited (2001 Census)	6955

Development Indicators

Sr. No.	Item	Period	Unit	State Position
1.	Geographical Area	2001	Lakh Sq. Km.	0.44
2.	Area under Forest to Total Area	2008-2009	%	3.54
3.	Net Area Sown to Total Area	2007-2008	%	81.29
4.	Net irrigated area to Net Area Sown	2007-2008	%	84.2
5.	Yield of Food grains	2007-2008	Qtl./Hect.	34.16
6.	Yield of wheat	2007-2008	Qtl./Hect.	41.58
7.	Population	Census 2001	Lakh	211.45
	(a) Rural Population	Census 2001	Lakh	150.29
	(b) Urban Population	Census 2001	Lakh	61.16
	(c) Population Density	Census 2001	Person/Sq. Km	478
	(d) Decennial Growth Rate	1991-2001	%	28.43
	(e) Literacy Rate	Census 2001	%	67.91
	Male	Census 2001	%	78.49
	Female	Census 2001	%	55.73
8.	Per Capita Income(Advance Estimates)			
	(a) At Constant (1999-2000)	2009-2010	Rs.	44493
	(b) At Current Prices	2009-2010	Rs.	77878
9.	Number of Employees	2007-2008	Number	327490
10.	Per Capita Consumption Electricity	2008-2009	KWH	784

5. Importance of Data Collection and Reporting

The Department of Economic & Statistical Analysis, Haryana functions under the administrative control of the State Planning Department, Haryana. Functions of State Government have increased tremendously. The concept of a State has changed from that of a simply maintaining law and order to that of welfare state. Statistical data and methods are of great help in promoting human welfare, framing suitable policies and efficient functioning of various departments of state government. This Department undertakes multifarious activities pertaining to the collection and analysis of data on socio-economic aspects of the State economy, evaluation of development programmes and formulation of annual five year plans.

Departmental Charter

1. To collect, compile & analysis of data regarding various socio-economic aspects of the State;
2. To serve as a store-house for all types of statistical information required for planning and formulation of developmental programs;
3. Publish data for the use of Government Departments, Public and Private Sectors.
4. To undertake surveys and inquiries regarding various socio-economic problems of the State;
5. To co-ordinate statistical activities of various departments of the State Govt.;
6. To advise the Govt. on economic and statistical matters;
7. To work in liaison with the Central Statistical Organization, Govt. of India and State Statistical Bureaus;
8. To carry out evaluation studies related to development programs/projects/schemes;
9. To undertake formulation and implementation of Five Year/Annual plans;
10. To monitor the progress of various programs being implemented under 20 Point Program;
11. To co-ordinate manpower and employment activities of various departments and to undertake manpower and employment studies;
12. To implement “Decentralized Planning Scheme (District Plan)” for executing various development works in the State”;

6. Overview of the Existing Computerized System:

6.1. Data Collection

Two types of data, namely primary and secondary data, are collected by this department. Primary data is collected voluntarily on the prescribed schedules/formats through district level offices, while the secondary data is collected on prescribed formats and schedules from various government departments, local bodies and other government/semi-government agencies at both State head-quarters as well as District level field offices. Almost all types of data are collected and scrutinized manually at the collection levels before being taken up for further processing.

6.2. Data Processing and Analysis

The processing of data is being done on stand-alone PCs by various sections at Head Quarter. The primary data and almost all type of secondary data collected/compiled at the district level offices are transmitted to the Head Quarter either through floppies/CDs, e-mail or hard copy. Besides, the district level statistical reports are independently compiled by the district level offices of this department to generate various quarterly and annual reports. The main steps involved in data processing are as follows:

1. Data Entry and verification
2. Validation of data using multi-level validation checks (which includes insert/delete/update of data that has been collected).
3. Processing of validated data to generate desired reports or statistical tables
4. Variety of data analysis.
5. Publications of the various reports and documents such Abstracts, Economic survey etc.

6.3. Data Maintenance and Archive

At present there is no unified, central data store, retrieval or processing in the department. All types of legacy data are available either in hard copy or discrete electronic files.

6.4 Software Applications

The DESA is presently processing data using the following Applications:-

Sr. No.	Application	Mode of supply	Yearly Volume (app.)	Platform used	Operating System
1.	National Sample Survey	Data Entry Package supplied by NSSO	1 GB	VB-Access	Window
2.	State Govt. Budget Analysis & generation of Accounts	Data Entry Package supplied by CSO	1GB	VB-Access	Window-XP
3.	Consumer Price Index	Developed in-house	1 GB	VB-Access	Window-XP
4.	Staff Statistics	Developed in-house	2 GB	VB Dot.Net-SQL Server	Window-XP
5.	Farming of Agriculture	Developed in-house	1 GB	VB-Access	Window-XP
6.	Estimate of State Income	Developed in-house	1 GB	VB-Access	Window-XP
7.	Miscellaneous Assignment	-	10GB	MS-Office	Window-XP

Networking

LAN networking established at Head Office.

Other Existing Capabilities

- Form downloading and data uploading through broadband connections or SWAN at field offices.

7. Proposed Computerized Solution

7.1 Objectives and Scope

Objectives of Proposed Initiative

DESA provides its stakeholders with accurate and timely information to enable policy and operational requirements on the basis of a Decision Support System. Building a reliable and effective data store for providing statistical data/information on which the Decision Support System runs therefore becomes inevitable.

The proposed project should be capable of providing on demand statistical, analytical and predictive information that can be used by the Planning Department, Other Departments of the State & Central Governments, Research Institutes, academicians & Citizens at large. Such information should be provided through well organized standard reports or such other electronic formats and should also be serviced through a dedicated Web Portal. In addition, the data collected should be formatted, organized and archived to facilitate data warehouse and data mining activities in future (so standardization of data items and data structures and establishing inter-relationships would be inherent to the objectives of this initiative).

DESA has been designated as a nodal agency in the State for collection of data and statistical analysis of all other key Departments. The current initiative should be extended to cover these requirements also in addition to all the other activities being carried out currently by DESA.

Scope of work

The selected SI would be responsible for designing and implementing the computerized solution, besides providing operational support to the Department for a period between three and five years. The scope of work for this purpose could be broadly divided as follows:-

7.2 Study Phase

- i. To study present system & working of the HO & field offices of DESA with respect to method of collection of raw data, consolidation of the raw data, converting raw data into electronic format, validations, report generation, presentation (including publications) and archival of the data. Based on the study of these things, the SI can propose a more effective and optimized way of carrying out all aspects of data management aligned with the vision of the proposed new software solution, including re-design of all necessary forms, where required.
- ii. To study the various application packages that are currently in operation besides those that have been proposed for use by Government of India & deciding on the approach to be adopted. This would involve inter alia the examination of the

solution architecture and the IT infrastructure requirements. It is also highlighted that the new solution might involve the preservation of one or more of the current applications, development of new additional software, induction including customization (where feasible) of software that is provided by Government of India (and other Government agencies) and integration of any commercial off-the-shelf software packages that may be procured as part of the proposed solution development (e.g. Statistical package). In case such off-the-shelf applications are considered necessary, involve the Department in the process of assessments to ensure that the requirements can be validated by the Department before any such finalization/selection.

- iii. To examine the legacy data (including formats, volume and feasibility of conversion) and decide on a migration path into the proposed new system.
- iv. The SI would be required to prepare formal requirements on the basis of which an SRS would need to be prepared & submitted for the approval before actual commencement of the solution development and its implementation.
- v. To carry out any mock or prototyping exercise that may be needed for ensuring feasibility and/or determining viability.
- vi. As an extension to the above, study and design secure, web-based data collection facility of statistical data from various external departments in the State of Haryana & Govt. of India as provided in Annexure-N. The same shall be part of the SRS.

7.3 Design and Development of the Software Solution

The SI will have to develop the Software based on SRS accepted in the study phase including incorporation of any changes and observations that may be made.

All software components supplied by the SI including third party products and tools will need to be supported by SI (with necessary updates & maintenance support) for a period of no less than three (3) years. The three year period shall be counted from the date of commissioning of the completed system. Hence it would become mandatory on the part of the SI to specify the criteria i.e. substantive conditions (such as date of successful software certification) that would constitute a completed system and clearly agree such criteria with the DESA. This should be included as part of the work plan as a key project milestone.

The proposed software solution should, as a minimum, support the following key aspects:-

- Web based Data entry Application
 - Online / Off-line application functioning support
 - Built-in or configurable validation rules
 - Online help facility-topic & parameter wise
 - Compatibility with existing IT infrastructure
 - Provision of Data comparison between the periods
 - Should support data uploading, verification/validation mechanisms and monitoring at each level (State, district....)

- Provision to incorporate additional data entry formats (in near future)
 - Access controls and authentication for the system
 - Moreover the solution provided by SI should be capable of satisfactorily operating in the planned connectivity requirements (such as a simple commercial broadband connection that is typical of a small office set up)
- Analytical Intelligence and reporting solution on data as per applicability
 - Time series & Regression analysis.
 - Correlation coefficient.
 - Calculation of standard error on the basis of NSS data for quinquennial surveys.
 - Interpolation and extrapolation
 - Index Number
- Development of Web Portal
 - Functionality including necessary interfaces for
 - State Government
 - Districts
 - NGOs
 - Educational institutions
 - Public
 - Interface for statistical data from various departments in the State & Govt. of India provided at Annexure-M.

Testing the Solution

- **Functional and Load testing**

Functional testing shall be done by DESA and such other agency like NIC Haryana State Centre, whereas the certification for load testing shall required from empanelled agencies of DIT, GOI. The criteria and plans would need to be clearly specified by the SI as part of the study phase.

- **Security Audit**

As part of Acceptance testing, Security audit and certification performed through a competent third party agency (arranged by SI) as per DIT, GOI empanelled agencies as per security guidelines of the DIT, GOI.

- **Certification Criteria**

Shall be based on a comprehensive set of items that would include but not limited to the above criteria. The same is to be proposed by SI and included in the work plan.

7.4 Solution Implementation

- i) Implementation of the developed System on the IT Infrastructure / platform provided by DESA as per the standard setup of SWAN and other State's IT Infrastructure assets.
- ii) The newly developed application software including any software applications that may be migrated from the legacy systems to be working seamlessly as part

of the proposed integrated solution.

- iii) Legacy Data Migration.
- iv) Processing and analyzing the validated data for the generation of reports and statistical analysis.
- v) Reports generation (Dynamic & Strategic). This should also include automated report generation tools and its publication in the website of DESA (i.e. to manage web content and keep the website content up-to-date).
- vi) Web Portal.
- vii) As secondary data from various State District level offices are captured, this secondary data is aggregated, analysed & published in a booklet forms. The successful bidder shall therefore identify parameters (attributes) on the basis of various publications of the Department. For processing & analyzing this data the successful bidder shall develop (I) Data Entry Module (II) Module for Analyzing, Reporting & Publishing data on the portal.

7.5 Training and Implementation Facilitation

The Department desires that the capacity and capability so developed should be of industry accepted standards that is achieved with effective training and hand holding. The officers so trained by the SI should be able to obtain professional certification that is relevant and applicable to their areas of training. The Core group of DESA will work with the personnel of SI to achieve this goal.

Type	Users/Number	Number of Days	Content
Operational (Core Group)	HO users/10	Duration should be sufficiently long and structured in a manner that does not impact the delivery of normal duties in any significant manner	Statistics Tools, Database Management, System Administration, Front end development
Awareness	Decision Makers/5	- do -	Usage of proposed system from decision making prospective
Data entry	District/HO users/40	- do -	Data entry and application usage

As regards the training of users in other Departments, a twin pronged approach of ‘Train the Trainer’ (TTT) and Computer Based Training (CBT) kit would be required.

- The TTT initiative will be driven by DESA who will nominate a set of officials for this purpose.
- This CBT should be intuitive, easy to use and capable of being hosted in the proposed web portal of DESA and should be well supported with upgrades whenever the software undergoes a change.

7.6 Operations Support

1. SI shall be responsible for support during project duration for a period of no less than three years from the date of commencement of operations (i.e. formal operations start date as per agreed criteria). This could optionally be extended for a period of up to an additional two years thereafter (in other words, for a total period of five years) and the same shall be done on a year to year basis after the completion of the third year, at the sole discretion of DESA.
2. The SI shall commit to providing such operational support as may be deemed necessary to meet with the operational requirements of both maintaining the IT solution and providing support for data entry & verification, report generation, website updation and such other coordination.
3. It is clarified that the commissioning of the Portal, successful implementation of the software applications involving full scale functionality, implementation of the statistical package, legacy data migration including generation of all key reports shall be treated as conditions necessary for operationalization of the solution. Such conditions shall be clearly specified and agreed upon upfront and shall also include necessary acceptance of the solution as specified.
4. The DESA may choose to get the system certified through a competent independent agency. The award of such certification shall need to be completed prior to the start date for the operation period. SI should therefore factor-in reasonable time schedule for such certification. In the absence of such an independent agency carrying out the certification, DESA shall provide a suitable alternative that may be considered equivalent.
5. It will be the responsibility of the successful bidder to maintain all customized software applications/code developed by them. For maintenance of such customized software during the operations period of contract period, no additional payments shall be made by DESA.
6. The successful bidder will have to critically review the complete solution periodically (including all H/w, S/w & Network items), fine-tune the system, carry out necessary modifications in the customized software during the contract period & maintain them as may be necessary.
7. In the event of release of updates/patches, new releases & upgrades by the any third parties, the successful bidder shall update & upgrade the software components from time to time free of cost during contract period after carrying out an assessment and

ensuring that the impact will not have adverse effects.

8. Once the system is finally installed then all source code, licenses & IPR where applicable will need to be handed over to DESA, Haryana. The bidder is also obligated to verify whatever is handed over so that it becomes feasible and easy for further updation. Since DESA is the target user, all licenses should be procured in favour of DESA.
9. With regard to external Departments (Annexure- M), integrate the legacy data to the extent that it is available in electronic form after necessary verification, besides facilitating data collection and report publication as may be necessary for routine requirements.

7.7 Project Oversight and Reviews

DESA shall review all aspects of project development and implementation processes relating to the design of solution architecture, design of systems and sub-systems, coding, testing business process description, documentation, version control, change management, security, performance in relation to defined requirements, interoperability, scalability, availability and compliance with all the technical and functional requirements of the RFP and the agreement. As these would be specialized activities, the same will be done with the assistance of suitably experienced specialist resources jointly with officials from DESA.

8.0 Deliverables and Acceptance

8.1 Deliverables

- a) Work plan clearly detailing task level on a weekly basis along with resource allocation and dependencies.
- b) Required Document.
- c) Software Lifecycle artifacts including SRS and Technical Documentation.
- d) Test plan and test cases/scenarios.
- e) Training material.
- f) User and operations Manuals, guidelines and standards (including online versions).
- g) Data migration approach and plan (this shall also include the approximately five years data that are available in electronic format with regard to publications specified in Annexure-I).
- h) IT Infrastructure assessment and bill-of-materials (including SDC/SWAN migration, where applicable).
- i) Operational Software Solution (including Web Portal and Statistical Application) along with source and object code and associated technical documentation.
- j) Migrated legacy data for the identified five year period.
- k) As a special requirement, migrate the data of State Statistical Abstract that is available in electronic form for the period 1966 to 2001. Carry out the data entry for the data related to the same for the intervening period between 2002 to 2005 (these are in manual form). Verification of this data is an integral part of the SI's responsibility (the existing electronic data may have errors and inconsistencies which will need to be rectified by the selected SI). After 2005 clean data is available with DESA in PDF which can be converted in Excel.
- l) Centralized data storage for reporting and analytics of all types of statistical data (primary and secondary).

m) Statistical analytical tools for processing sectoral data on socio-economic parameters i.e. household consumer expenditure, employment-unemployment, housing condition, disability, and village facilities etc. The minimum statistical methods required to be implemented are as follows:-

- (i) Time series analysis including trend, seasonal and cyclical variations
- (ii) Regression analysis, including multiple and partial regression.
- (iii) Correlation coefficient.
- (iv) Calculating standard error on the basis of NSS data for quinquennial surveys.
- (v) Interpolation and extrapolation.
- (vi) Index Number.

- n) Generate test reports of the system using previous year's data (one full year as a minimum) and report of State Statistical Abstract from 1966 onwards to current date.
- o) Generate final live reports and publications of the current year data for each of the years for which operational support is provided.
- p) License for any third party platforms/tools/products that have been procured under the scope of the project/solution.
- q) Web based form should be provided by the SI for collection of online statistical data from various departments provided at Annexure-M.
- r) Take full responsibility for maintenance & operation of newly developed system during the agreed three year period of operation, including data entry, validation and generation of all reports and statistical analysis.

Note: Operational software solution, Web Portal, statistical application and associated support services are integral to the deliverables.

8.2. Testing and Acceptance

- 1) The software will be deployed on a selected environment that covers the representative sample of the operational environment.
- 2) The entire cycle of operation will need to be tested out.
- 3) Reports should be provided from the system from the operational system.
- 4) Data for testing should be the same as what has been migrated by the SI as part of the legacy data migration (full data or subset may be discussed and agreed upon) – nevertheless the data should be a complete end-to-end representative sampling.
- 5) Bug fixing environment during the testing and acceptance stage should not be carried out in the testing environment.
- 6) The errors pointed out during testing should be fixed promptly without any regressions and the system would be re-tested.
- 7) Acceptance would be deemed completed only if all the following conditions are met with
 - a. the software functionality is complete based on the substantive functions that have been agreed upon at the SRS stage.
 - b. that such substantive function has been working without any defects (show-stoppers).
 - c. full five years legacy data is migrated and reports for the same are generated using the newly developed solution.
 - d. all training completed.

- 8) As regards the web based data entry functions required for other departments as in Annexure –N, DESA will identify at least ONE YEAR’S DATA pertaining to ALL Department (that will be identified by DESA) and the generation of the respective STATISTICAL REPORT (in agreed format) for purposes of Acceptance. The system functionality, including data shall be addressed in full for this all the Departments.

9. Tentative Time Schedule

The proposed system should be fully operational as per the substantive conditions agreed upon within **44 weeks** from the date of issue of work order.

Therefore the SI may need to synchronize various activities and adhere to the following indicative time schedule:-

- a. **Study & Planning phase and approval of SRS:-** This phase should be completed within **9 weeks** (7 weeks preparation, 2 weeks for approval by DESA) from the date of signing of the contract. It will also include approval of DESA on SRS.
- b. **Design & Development, Testing Phase:-** Design, development of data entry forms, installation & commissioning of the entire system & Development of DESA web portal should be completed within **16 weeks** from the date of approval of the SRS. Testing of software by generating reports on previous year data in **6 weeks**. It may be noted that the data entry / data migration related to the previous year’s data shall be part and parcel of this activity.
- c. **Testing, Delivery and Installation** of the entire system should be completed within **6 weeks** from the date of implementation & testing. (b above is subject to provide data by DESA. DESA shall provide data within a week for testing of the software.)
- d. **Certification** by an independent agency nominated by DESA to be completed within **2 weeks**.
- e. **Go-live Phase:-** Successful Application rolls out within **5 weeks** after successful pilot run. Processing and generation of reports on current year data, successfully.
- f. **Imparting training (with adequate copies of training material):** The detail training programme shall be finalized by the DESA in consultation with the successful bidder. However, the training programme should be completed within **16 weeks** on a concurrent basis. Refresher training should also be conducted by SI while processing current year’s data.
- g. The feasibility of the timelines for the requirements in Annexure-M shall as far as possible be covered within the said 44 weeks, so that operational support period can coincide with the rest of the project. However, if this is not feasible, a separate timeline be proposed by the bidder.

10. Responsibilities of the DESA

- i) To provide access and details to currently available ICT infrastructure and software applications including those required for purposes of data entry.
- ii) To provide suitable working space to the vendor during the tenure of this engagement
- iii) Nominate knowledge resources for formulation of requirements and other technical matters that would be necessary for the SI to meet with their obligations
- iv) To nominate a Nodal Program Officer and a team of coordinators section-wise
- v) Organize for Review and Certification of solution through an independent external agency
- vi) To provide authenticated/verified data in prescribed paper format in a timely manner
- vii) Testing & Acceptance of s/w on the basis of prescribed criterion
- viii) Timely feedback on all aspects of the project for continuous improvements

- ix) To review progress periodically.
- x) To nominate suitable employees for supporting all operational matters, including attending training.
- xi) Procure necessary additional IT infrastructure after necessary validations.
- xii) Provide any other administrative support that will be reasonably required to for the successful completion of the project and sustain operations thereafter.

11. Responsibilities of the SI/Vendor

- i) Detailed study and analysis of all aspects for preparation of the solution concept
- ii) Develop and obtain approval of Requirements and SRS from DESA.
- iii) Design & Development of Software.
- iv) Identification and selection of all necessary tools and platforms as envisaged in the solution scope and provide bill of materials for the same.
- v) Testing and certification facilitation of software solution
- vi) Implementation of the System & imparting operational training.
- vii) Operations support including data entry in prescribed format including changes to structure as may be deemed necessary, during the project duration.
- viii) Hosting of application in Data Centre of NIC/Haryana Govt.
- ix) To issue required reports in time as per schedule.
- x) Ongoing maintenance and support of all software applications including any third party products that are supplied as part of the solution.
- xi) Establishment of a Help desk to address problem/queries.
- xii) Regular Backup of the system.
- xiii) Project documents- user manual, system design document, training manual.
- xiv) To deliver services and outputs as per details at Annexure-K.
- xv) Functional & Security Audit from a competent independent agency from NIC empanelled agencies.
- xvi) Complete SDLC activities shall be taken care by the Vendor and proof thereof to be submitted mainly testing be third party, test plan etc.
- xvii) Including above all the points of Technical Compliance Sheet (Annexure-J) shall be taken care.
- xviii) Data entry and data migration as required in the scope of this project. This shall include, inter alia, the creation of a database of legacy data for a period of preceding five (5) years in conformity with the new solution structure. The verification support for all such migrated data will also be provided by SI.
- xix) Generate reports for various publication and data (for legacy and progressive requirements).
- xx) Resolve/rectify any mismatches arising out of data entry problems and/or malfunction/defects of the software supplied by the SI, free of cost, within reasonable time.
- xxi) To support running of the system / operations for a period of three years, including extension for such period as may be agreed with DESA.

12. Additional Information & Requirements

The Department of Information Technology has set up State Wide Area Network (SWAN), which shall serve as the connectivity backbone for the proposed solution. To this network, offices located at districts, tehsils & other remote places shall need to be connected. The technical feasibility including additional equipment (if any) will need to be proposed by the System Integrator, and the same shall be procured by DESA. The broadband intranet connectivity is already available to the remote offices locations of the DESA. SWAN connectivity will be done by Hartron or its nominee, but capital and operational costs necessary to enable this services for this project will need to be worked out by SI in consultation with Hartron.

Computing Equipment such as database server, web server and application server will need to be hosted at the State Data Centre (SDC) as and when the same is ready for operation. So the plan in this regard will need to be prepared after examining the technical requirements and timelines of SDC (as this is in the process of being established). Costs will need to be worked out with Harton or its nominee as in the case of SWAN.

The selection of the SI is being made on the strength of the team of experts as submitted in the proposal. Hence SI should NOT replace these team members after the offer is made. The detailed CV and attested copies of the certificate of the technical experts proposed to be deployed should be submitted/validated at the time of issue of the work order to the successful bidder. These personnel would be required to work on the project during the period of contract as per the plan proposed. Continuity of resources is critical to the success of this engagement. However, these personnel can be replaced by mutual agreement on genuine constraints. The replacement personnel should be approved by DESA and should be of equal or better caliber.

The Bidder should clearly state the personnel attached offsite for the project and escalations for the support. Further the Bidder would declare a single point contact person for the coordination & support services of offsite personnel.

It should be noted that the technical experts named in the proposal should be a full time employee of the bidder's organization at the time of finalization of the agreement.

SI may provide additional Hardware as per the requirements of system. In case IT infrastructure has to be enhanced, DESA will procure based on the recommendations of the SI.

The SI will need to ensure that current application functionality is preserved in the migration process through appropriate approach to the solution development.

A comprehensive work plan is required as part of the bidders proposal that will factor in all the key requirements including personnel allocation and effort computation.

As part of the bid evaluation, bidder may be asked to make presentations and/or provide clarifications. Responsiveness of the bidders to such requests would be examined including the quality of responses provided by them for the purpose of bid evaluation.

For monitoring & testing purposes of the project across the State some mobile computers hardware alongwith data card will also be required.

Refer Annexure- J for the technical details.

Refer Annexure- K for Survey Formats/Details of Publication.

Refer Annexure- M for details of scope involving other Departments.

13. Instructions to Bidder and Terms and conditions of the project

DEFINITIONS

In this tender document and associated documentation, the following terms shall be interpreted as indicated below:

- I. "The awardee" means DESA, Government of Haryana.
- II. "The DIT" means Directorate of Information Technology, Government of Haryana.
- III. "The Purchaser" means Director, Department of Economic & Statistical Analysis, Haryana or any officer authorized by the DESA.
- IV. "The Bidder or bidder" means an individual or the firm who are eligible to participate in this tender and submits its bid.
- V. "The System Integrator (SI)" means an individual or the firm providing the services under the contract with whom the awardee has entered into a contract..
- VI. "Letter of Intent (LOI)" means the written communication to the successful bidder of the intention of the awardee for the award of the services as per the contract read out with the tender documents.
- VII. "Contract" means the written order signed by the awardee and the service provider after the acceptance of the successful Bidder's bid by the awardee for executing the award.
- VIII. "The contract Price" means the price payable to the service provider under the contract for the full and proper compliance of his contractual obligations
- IX. "Consignee" means the officer under or authorized by the DESA for receiving the services at the place where the application has to be supplied and installed.
- X. "Services" means services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services applicable, such as installation, commissioning, provision of technical assistance, training, on-site comprehensive warranty, annual maintenance and other obligations of the Bidder covered under the Contract.

13 (A) Technical Offer:-Terms and conditions to be included as part of the contract:

1. Period of Contract: The agreement with the SI will be valid for a period of three (3) years of operations in addition to the time required for study, design and development, acceptance and certification, and implementation, not including the time required for of the solution.

2. Cost of Tender Document:

A complete set of tender document can be downloaded from the Website of Department of Economic & Statistical Analysis, Government of Haryana: www.esaharyana.gov.in
Such downloaded form should be accompanied by Demand draft of Rs. 5,000 of any Scheduled / Nationalized or Foreign Bank drawn in favor of 'Director, Department of Economic & Statistical Analysis, Haryana, payable at Chandigarh at the time of submission of the tender.

3. Cost of Tender:

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

4. Non-transferable Tender:

The tender document is not transferable.

5. Completeness of Tender Offer:

The Bidder is expected to examine all instructions, forms, terms, conditions and deliverables in the Tender Documents. Failure to furnish all information required by the tender documents or submission of a tender offer not substantially responsive in every respect to the tender documents will be at the Bidder 's risk and may result in rejection of its tender offer. The tender offer is liable to be rejected outright without any intimation to the Bidder if complete information as called for in the tender document is not given therein, or if particulars asked for in the Forms / Proforma in the tender are not fully furnished.

6. Two Bid System Tender:

The offers shall be made by the bidder in two separate parts containing the **Technical** and **Commercial** parts. Consequently, two separate sealed envelopes containing the Technical and Commercial offers respectively should be enclosed together in a single package, sealed and superscripted with the Tender Reference Number and Name of Bidder.

The two individual envelopes should be separately securely sealed and stamped and each should be super-scribed with the following information:-

Type of Offer (Technical or Commercial)
Tender Reference Number
Name of Bidder

7. Earnest Money Deposit

Bidders are required to give a Demand Draft of Rs 2, 00,000/- (Rupees Two lakhs only) as Earnest Money Deposit along with their offer in the favor of 'Director, Department of Economic & Statistical Analysis, Haryana, payable at Chandigarh.

Unsuccessful Bidder's bid security will be discharged / returned within 30 days after the expiry of the period of tender offer validity prescribed by the DESA.

The successful Bidder's bid security will be discharged upon the Bidder executing the Contract and furnishing the Performance Security Deposit security in the form of Bank Guarantee. The Bank Guarantee must be of a Scheduled Bank / Nationalized Bank / Foreign Bank.

The bid security may be forfeited if a Bidder withdraws its tender during the period of bid validity or in case of a successful bidder, if the Bidder fails:

- (i) To sign the contract in accordance with the terms and conditions
- (ii) To furnish performance security as specified in the terms and conditions

8. Qualification Criteria (QCR)

The Bidder shall furnish, as part of its tender offer, documents establishing the Bidder's eligibility to participate in the tender and its qualifications to perform the contract. Consortium/Joint Venture/Business partnership in any form is **not** allowed. As the Department of Economic & Statistical Analysis desires to appoint an SI for the computerization, it is binding on the bidder to quote for all the items mentioned in the Tender document. Any partial bids shall be summarily rejected.

The Bidder should not have been charged of involvement in any malpractice, fraud, scandal or any criminal case or have been blacklisted by any Central or State Government Department or Agency.

The documentary evidence of the Bidder's qualifications to perform the Contract shall establish to the tendering authority's satisfaction that the Bidder is eligible as per the criteria mentioned below.

1. The bidder should be **at least CMMI Level III** certified or **ISO:9001:2008** certified organization / company. In case any specific organization unit alone is certified, then only such units who possess certification alone will be permitted to carry out the work (any violations of this requirement at any time during the contract will lead to cancellation of contract and forfeiture of Bank Guarantee).
2. The turnover of the bidder for the last 3 financial years' i.e. 2007-08, 2008-09 and 2009-10 should be more than Rs.50 Crore during each of the financial years.
3. The bidder should possess experience in providing Turnkey Solutions involving supply of h/w, s/w, s/w development, operations support and training. Bidder should have done business worth Rs. 2 Crores with at least 2 organizations in the last 5 years (2004-05 to 2009-2010).

4. The bidder should have positive net worth (measured as paid up capital + free reserves) for each of the last 3 financial years. It also should be in profit for the last 3 financial years.
5. Should possess Sales tax clearance certificate (BST / CST) up to March 2010.
6. The bidder must have office in Haryana/Delhi/Chandigarh.
7. The Statistical software component proposed to be installed by bidder should have a well established installed base in India and should have adequate facilities for support of such solution for a period of no less than least three years. Such Statistical software should be successfully installed and operational in at least three organizations in India with similar scope and complexity of DESA. This should be substantiated with the documentation of installed base, its operations and support requirement by the principal (for preceding three year period).

9. Documents establishing bidder's eligibility & qualification to be checked during Technical Evaluation:-

The bidders are requested to meticulously note the Qualification criterion & various clauses mentioned in the tender document. The following documents should be submitted in the Envelop -I i.e. Technical Offer. These documents shall be considered during technical evaluation.

1. Tender fees in the form of demand draft.
2. Copy of the CMMI level III or ISO:9001:2008 certificate.
3. Audited balance sheets clearly highlighting turnover of the company is exceeding Rs.50 Crore during last 3 financial years (2007-10) as mentioned at Sr.No.2 of 8 above.
4. Write-up covering points mentioned in the Scope of work giving brief outline of the proposed work plan, methodology & timeframes.
5. Details of personnel proposed to be deployed for this project. The bidder should give profiles of the key people who will be exclusively associated with the project and escalations. The format for the same is given at **Annexure G**. The Technical experts (as per skill sets mentioned in the scope of work of this tender document) who will be provided by the bidder should be full time employees of the bidder's payroll. Undertaking to that effect should be given by bidder in technical bid.
6. Office addresses details in Haryana/Delhi/Chandigarh along with Contact person and head of the office details. Telephone, Fax numbers, e-mail addresses should be given.
8. Demand Draft towards EMD for Rs 2,00,000/-.
9. Power of Attorney in favour of the person signing the bids.

10. Affidavit of the bidder that he has quoted for the entire item mentioned in the tender document on Rs. 100/- stamp paper.
11. Sales Tax clearance certificate (BST/CST) up to March, 2010.
12. The bidder should submit the deviation sheet of any technical deviations from the specifications of H/W & S/W mentioned in this tender document. If there are no deviations then the deviation sheet stating "No Deviation" should be submitted.
13. The detailed functionality requirements are specified in **Annexure I, Scope of work, and in the Tech description/evaluation Criteria**. The bidders are requested to study the same & quote for the necessary s/w modules, which are required for execution of the expected functionalities. Further, various reports which shall be generated on servers should be accessible on the thin clients, thick clients through any standard browser like IE. The Technical Compliance Sheet as contained in **Annexure-J** also needs to be filled up by the bidder.

10. Signing of Tender Offers

The original and a copy of the Tender Offer shall be typed or written in ink and shall be signed by the Bidder or a person or persons duly authorized in writing to bind the Bidder to the Contract. Power-of-attorney accompanying the tender offer shall indicate such authorization. All pages of the Tender Offer, except for unamended printed literature, shall be initialed by the person or persons signing the Tender Offer. This will be in two different envelopes. The Tender Offer shall contain no interlineations, erasures or overwriting except as Necessary to correct errors made by the Bidder, in which case the person or persons signing the offer shall initial such corrections.

11. Erasures or Alterations

Offers containing erasures or alterations will not be considered. There should be no hand-written material, corrections or alterations in the offer. Technical details must be completely filled up. Filling up of the Technical Detail Form using terms such as "OK", "accepted", "noted", "as given in brochure / manual" is not acceptable. The Purchaser may treat offers not adhering to these guidelines as unacceptable.

12. Submission of Bids to the DESA

Sealed Tender offers shall be received by the Department of Economic & Statistical Analysis at the address specified above not later than the time and date specified in the invitation for Tender offers. In the event of the specified date for the submission of tender offers being declared a holiday, the offers will be received up to the appointed time on the next working day.

The DESA may, at its discretion, extend this deadline for submission of offers by amending the Tender Documents, in which case all rights and obligations of the purchaser and tender previously subject to the deadline will thereafter be subject to the deadline as extended. Telex, cable or facsimile offers will be rejected.

13. Late Tender Offers.

Any tender offer received by the purchaser after the deadline for submission of tender offer prescribed by the DESA, pursuant to the clause above, will be rejected and / or returned unopened to the Bidder.

14 Modification and Withdrawal of Offers.

The Bidder may modify or withdraw his offer after its submission, provided that written notice of the modification or withdrawal is received by the DESA prior to the closing date and time prescribed for submission of offers. No offer can be modified by the Bidder, subsequent to the closing date and time for submission of offers.

15. Preliminary Scrutiny

Prior to the detailed evaluation, the DESA will determine the substantial responsiveness of each offer to the tender documents. For purposes of these Clauses, a substantially responsive bid is one, which confirms to all the terms and conditions (including QCR) of the Tender Documents without material deviations. The DESA's determination of an offer's responsiveness shall be based on the contents of the tender offer itself without recourse to extrinsic evidence.

The DESA will scrutinize the offers to determine whether they are complete, whether required technical documentation has been furnished, whether the documents have been properly signed, and whether the offers are in order. A tender offer determined as not substantially responsive will be rejected by the DESA, and the commercial bid for such Bidder will not be opened.

The DESA may waive any minor infirmity or irregularity in a tender offer, which does not constitute a material deviation. This shall be binding on all Bidders and the DESA reserves the right of such waivers.

16. Clarification of Offers

To assist in the scrutiny, evaluation and comparison of offers, the DESA may, at its discretion, ask some or all Bidders for technical clarification of their offer. The request for such clarifications and the response shall be in writing. To speed up the tender process, the DESA, at its discretion, may ask for any technical clarification to be submitted by means of facsimile by the Bidder. In such cases, original copy of the document describing the technical clarifications must be sent to the DESA by means of courier / in person.

17. Description for Technical Bid & Evaluation Criteria.

(i) Envelope - I (Technical Offer):

The Technical Offer (T.O.) should be complete in all respects and contain all information asked for, except prices. It should not contain any price information. The T.O. should indicate whether services asked for are quoted, and that all requirements therefore are quoted.

(ii) The format for submission of Technical Offer is as follows:

- i. Index

- ii. Tender Offer Form (Annexure A) duly filled in.
- iii. An identification sheet
(Name or business name, legal status, contact person etc.).
- iv. Declaration of the Bidder that they agree with the Terms & Conditions of the Tender by signing each sheet of the tender document.
- v. Demand Draft of Earnest Money Deposit.
- vi. The bidder should give approach paper and outline of the solutions giving brief of understanding of the project requirements, important issues for the project. The bidder should also give details about implementation plan synchronizing various activities required to be undertaken in the project. It may be noted that the time schedule given in this tender document and proposed plan given in this tender document needs to be in-tune.
- vii. All the necessary documents substantiating fulfillment of eligibility as per Qualification criterion mentioned below. (See para 9A)

The **Technical Offer** must be submitted in an organized and neat manner. No documents, brochures, etc. should be submitted in loose form. All the pages should be serially numbered. **The Technical Offer shall be submitted in duplicate.**

(iii) Description of solution:

- Additional Hardware Proposed:
- OS: Version, License type and limitation
- RDBMS: Version, License type and limitation
- Statistical software tools: Name, License type and limitation, Features, Brochure
- Analytical software tools: Name, License type and limitation, Features, Brochure
- Business Intelligence & Modeling tools: Name, License type and limitation, Features, Brochure
- Predictive analysis tools: Name, License type and limitation, Features, Brochure
- Features of application to be developed or customized
- Features of reporting tools
- Data capturing tools and features
- Data storage and retrieval features and support
- Limitations of proposed solution: (in terms of Number of users, number of reports, Licensing, Features and other known limitations)
- Annexure-J also need to be considered for Technical Bid

(iv) Technical Compliance Sheet:

The developed application should be modular, flexible, and interoperable and its design should support migration of legacy data & linkages provision to State & Central govt. departments. Data Entry modules should be online as well as offline as per the case, if data entry is done offline there should be provision of uploading. System design, development, Data Entry, Statistical Analysis and Reporting Solution should be provided by considering the following parameters. Statistical Analysis and Reporting Solution should be delivered using a Single OEM Suite:

(Note:- Every page of Technical Compliance Sheet will be signed by Bidder without overwriting. Whenever required the proof for every commitment has to be submitted, Technical brochures should be attached where ever available)

- (v) **Evaluation Criteria:** The Committee constituted by DESA will evaluate technical bids. The bidder/bidder would be asked to present the entire solution, implementation plan including training and application / technical support for the successful completion of the project. 70 % weightage would be given to the technical bid based on the following criteria:

Subject	Marks Awarded
Extent of Technical Compliance including various sections of the Bidders proposal, Table as in Annexure J, Presentations, Supporting Documentation, etc.	15
Bidders understanding of the current DESA-Haryana systems and processes clearly supported by an appropriate work plan . Bidder should clearly highlight the following in their workplan:- <ul style="list-style-type: none"> - Bidders understanding of DESAs Key Requirements - Structure of DESA-Haryana as understood by bidder - Tasks and efforts - Project milestones and deliverables - Resource Deployment - Dependencies - Training and hand-holding support needs - Three year operational support 	15
Implementation experience of similar solution in Statistics office in India, rollout of proposed solution in Central Statistics office or other statistics office globally: - Bidder should clearly provide following – <ul style="list-style-type: none"> - Work Done, outputs and outcomes - Experience details, - Brief one page overview (including any testimonials by Competent officer of Customer) - Statistical packages deployed 	15
Proposed Technical Approach and Solution structure Addressing but not limited to the following items: - <ul style="list-style-type: none"> - Methodology - Deployment architecture, - Availability and scalability of proposed solution - Development and Deployment Platforms - Security - Conformance to industry standards - Strategy for data management - Statistical Analysis tools - BI & Modeling Solution for Planning 	10
Team proposed by Bidder supported by resumes	15
Data Migration and other operational support aspects (that will be required during the operational support period)	15
Capacity Building <ul style="list-style-type: none"> - Training Program - CBT - Handholding Support and reinforcement 	5
Overall quality of the proposal, presentations and responsiveness of the bidder	10

18. Short-listing of Bidders

The DESA will short-list technically qualifying Bidders as per above Evaluation Criterion. The commercial offers of only short listed bidders will be opened.

19. Completion of Compliance of Tender Conditions and Stipulations, Price Comparisons.

The DESA will evaluate and compare tender offers of bidders previously short-listed and determined to be substantially responsive. After opening Commercial Offers of the short-listed Bidders, if there is a discrepancy between words and figures, the amount indicated in words will prevail.

20. Tender Award Criteria.

As per price schedule the total cost for a period of three years has been called. While evaluating commercial offers the total cost of software items, training cost for onsite and off-site shall be taken together with updates and upgrades support cost for software's for a period of three years will be considered.

The price bids of only those bidders/bidders shall be opened who qualify technically with at least score of 70 %.

For combined evaluation, the total Technical score shall be allotted a weightage of 70, and the Commercial score shall be allotted a weightage of 30.

The following formula shall be applied for the computation of scores:

$$\text{Total score} = T(s)/HT(s) \times 70\% + LQC/QC \times 30\%$$

- T (s) stands for Technical score obtained.
- HT(s) stands for Highest Technical score.
- QC stands for Quoted Cost of the Commercial Bid
- LQC stands for Lowest Quoted Cost of the Commercial Bid

The Bids will be ranked in terms of Total Score. The Bid with the highest Total Score will be considered for Award of Contract.

21. DESA's Right to Accept any Offer and to Reject any or all Offers.

The DESA reserves the right to accept or reject any tender offer, and to annul the tendering process and reject all tenders at any time prior to award of contract, without thereby incurring any liability towards the affected Bidder(s) or any obligation to inform the affected Bidder(s) of the grounds for the purchaser's action. The DESA reserves the rights to alter, amend, modify, or change any of the terms and conditions mentioned herein above. The Purchaser reserves the right to delete tendered items, and the purchaser also reserves the right to alter the quantities up to an extent of 25% of the indicated quantities. The purchaser reserves the right to negotiate with the L1 bidder.

22. No commitment to accept lowest or any tender

The DESA shall be under no obligation to accept the lowest or any other offer received in response to this tender notice.

23. Corrupt or fraudulent Practices

The DESA requires that the Bidders under this tender observe the highest standards of ethics during the procurement and execution of such contracts. In pursuance of this policy, the Purchaser defines the terms set forth as follows:-

“Corrupt practice” means the offering, giving, receiving or soliciting of any thing of value to influence the action of the public official in the procurement process or in contract execution; and “Fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or a execution of a contract to the detriment of the Purchaser, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of the free and open competition;

The Purchaser will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question.

The Purchaser will declare a Bidder ineligible, either indefinitely or for a stated period of time, to be awarded a contract if it at any time determines that the Bidder has engaged in corrupt and fraudulent practices in competing for, or in executing, a contract.

24. Signing of Contract

At the same time as the DESA notifies the successful Bidder that its tender offer has been accepted the Purchaser will send the Bidder the Contract Form (Annexure E) provided in the Tender Documents, incorporating all agreements between the parties.

Within 10 days of receipt of the Contract Form, the successful Bidder shall sign and date the contract and return it to the DESA.

25. Suggestions/Clarifications

It is to clarify here that the requirements of the h/w & s/w have been identified internally, however, the bidders may suggest additional h/w, s/w required to meet specific functionalities. However, such suggestions should be submitted to the DESA in writing on or before pre-bid meeting. Subsequent to the pre-bid meeting no suggestions or modifications shall be entertained. To study the environment & the various applications all the bidders are advised & encouraged to visit the IT center, located at Yojana Bhawan, Bays 21-28, Sector-4, Panchkula. As far as training & providing expertise is concerned, the period of 1 year shall be extendible at the same cost on pro-rata basis.

13 (B) Commercial Offer:- Terms and conditions

1. Envelope-II (Commercial Offer):

The Commercial Offer must be given in a separate sealed envelope. The price bid should not contradict the Technical Offer in any manner. For details see the section below namely commercial offer.

2. Quoting Prices:

Bidder should submit their prices only in the Bid Form (Annexure - D) given in the tender. The Bid Form must be filled in completely, without any errors, erasures or alterations. Support data as specified including line item wise break-up needs to be provided. Absence of complete pricing data other than what is specified in the bid form shall be rejected and its supporting requirements shall be rejected.

3. Costs and Currency:

The offer must be made in Indian Rupees only & should be an all inclusive offer, not limited to the following items as may be deemed necessary:

- Cost of the equipments with preloaded/licensed/ (S/Ws)
- Installation and commissioning charges for (S/Ws)
- Cost of software licenses and products / platforms including
- All associated services through the contract period.
- All the efforts required for compliance of the tender conditions, scope the work, contract obligations, additional offers submitted by the bidder over & above mentioned in the tender document.

4. Fixed Price

The Commercial Offer shall be on a fixed price basis; inclusive of all taxes Price quotation accompanied by vague and conditional expressions such as "subject to immediate acceptance", "subject to confirmation", etc. will be treated as being at variance and shall be liable for rejection.

5. Performance Security Deposit:

The successful Bidder shall furnish Performance Security Deposit of 10% of project cost in the form of Bank Guarantee within Fifteen days from issue of the notification of award / Letter of indent from the DESA. This bank guarantee should be valid for a period of 48 Months (final handover of the operational system to DESA, Haryana) from the date of issue of such notification or letter. On extension of the contract the successful Bidder will have to extend the validity of this bank guarantee for the period for which extension has been awarded. The Proforma of the performance guarantee is given at Annexure F (PSF).

6. Payment Terms:

All payments shall be made after submission of performance security in the form of bank guarantee above mentioned.

1. 5 % of the total order value will be released after approval of SRS. Incorporation of accepted administrative re-engineering, process changes/improvement and other associated enhancement as required by the department will form an integral part for this payment milestone.
2. 10 % of the total order value will be released after the successful completion of design, development & installation of a workable solution. The criteria for this milestone will be agreed upon between DESA and the SI at the time of SRS finalization and shall involve as a minimum the functionality with regard to the generation/verification of all key reports using the previous year's data as the basis.
3. 15 % of the total order value will be released after successful go live of the full scale solution including formally handing over all deliverables. This requirement will be considered complete only after the planned acceptance and certifications are completed successfully, including the generation/verification of ALL reports on the previous year's data. It is assumed that the mechanisms for managing the IT infrastructure and facilities are fully in place before such time.
4. 10% of the total order value will be released upon generation/verification of ALL the reports using the previous five year data (upto the current date) on the basis of full scale functionality, including the period 1966-2001 as required within the scope. This requirement will have migration and verification of such data as a condition precedent. In addition, all user training and Computer Based Training (CBT) kit should also be completed to qualify for this payment.
5. 10% of the total order value will be released upon completion of all requirements related to Annexure – M pertaining to other line Departments and GOI.
6. 15 % of the total order value will be released at after each successful year of completion of support of the newly operational solution including maintenance and upgrades of the software including any third party products. The substantive criteria will include data entry, validation and generation of all statistical and analytical reports including BI reports for policy and planning.
7. 5% of total payment on final handover of the operational systems to the department at the end of the contract tenure.

7. Other Contract Terms:-

- i) Milestone dates shall be incorporated on the basis of a final project plan as mutually agreed upon between DESA and SI.
- ii) PENALTY: A uniform penalty of 1% of the project value for each month of delay or part thereof will be applicable on each payment milestone up to a maximum period of three (3) months for any given milestone.
- iii) BREACH: A material breach is said to have occurred if any project milestone is delayed for more than three (3) months OR there is an overall schedule delay of more than six (6) months, attributable solely to reasons related to the vendor/SI, whichever condition occurs earlier.
- iv) RECTIFICATION OF MATERIAL DEFECTS: Should a material defect occur, the same shall be rectified and made good by the SI within a period of 30 days of such notice, or such time as may be mutually agreed upon between DESA and the SI. In case the SI fails to satisfactorily meet with their obligations within such agreed period, it will be considered as a breach.
- v) EFFECTS OF BREACH: Should a breach happen, over and above the penalties to be paid, the SI would forfeit the Bank Guarantee amount forthwith and in addition the SI would need to return all the money paid by DESA to the SI on account of this project within 30 days of such condition.

8. Termination of contract:-

Either side may terminate the contract by issuing the other party 60 days written notice. In the event the SI initiates such termination and in such event, DESA requires the completion of certain project milestones before the termination by the SI, the SI agrees not to unreasonably deny such request, notwithstanding such 60 day notice period.

9. Confidentiality:-

Any information pertaining to the Govt. of Haryana or any other agency shared with the vendor under this contract will be deemed to be confidential and the vendor will assume full responsibility for the same. The vender agrees to apply such reasonable measure to ensure due confidentiality of information and data, especially those that are not intended for public distribution. The formalization of the contract will be subject to such condition including any written undertaking that may be necessary to this effect that will need to be provided by the SI. Failure to do will result in disqualification and/or cancellation of the contract.

10. Arbitration:-

All disputes, differences, claims and demands arising under the contract shall be referred to arbitration of a sole arbitrator to be appointed by the mutual consent. All arbitrations will be held in Chandigarh.

11. Legal Jurisdiction:-

All legal disputes are subject to the jurisdiction of courts in Chandigarh only.

Annexure A – TENDER OFFER FORM (TOF)

Date: _____2011
Tender Reference No.: _____

To: (Name and address of Indenter)

Sir,

Having examined the tender documents including all Annexure's the receipt of which is hereby duly acknowledged, we, the undersigned, offer to provide solution and services on a turnkey basis as required by DESA in conformity with the said tender document.

We undertake, if our tender offer is accepted, to commence Contract within 10 days from the date of receipt of your Notification of Award.

If our tender offer is accepted we will obtain the guarantee of bank in a sum of Rs 5 Lac for the due performance of the Contract during the Contract periods.

We agree to abide by this tender offer for a period of 36 months and shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal contract is prepared and executed, this tender offer, together with your written acceptance thereof and your notification of award shall constitute a binding contract between us.

We understand that you are not bound to accept the lowest or any offer you may receive.

Dated this ____ day of _____2011

Signature: _____

(In the Capacity of:) _____
Duly authorized to sign the tender offer for and on behalf of

Annexure B – DETAILS OF BIDDER

Details filled in this form must be accompanied by sufficient documentary evidence, in order to verify the correctness of the information.

Sr. No.	Item	Details
1.	Name of the Company	
2.	Mailing Address	
3.	Telephone and Fax Numbers	
4.	Constitution of the Company	
5.	Name of the Managing Director	
6.	Brief Description of facilities related to the scope of work mentioned in this tender document.	

Date:- -----

Place:- -----

Authorized Signature of the bidder

Annexure C- Performance Statement (P)

(for a period of last five years)

Firms Name:		Country:	
Location within Country:		Key professional staff Provided by Your Firm/entity (profiles):	
Name of Client:		No. of Staff:	
Bid / Order No. & Date of Order:			
Address:		No. of Staff-Months; duration of assignment:	
Start Date (Month/Year):	Completion Date (Month/Year):	Approx. Value of Services (in Current INR):	
Name of Associated Consultants, if any:		No. of Months of Key professional staff, provided by Associated Consultants:	
Name of Senior Staff (Project Director/Coordinator, Team Leader) involved and functions performed:			
Narrative Description of Project:			
Description of Actual Services Provided by Your Staff:			

Annexure D – PRICE SCHEDULE (PS)

FORMAT TO BE FOLLOWED FOR THE BID

(TO BE KEPT IN SEPARATE SEALED ENVELOPE NO. II)

This is to be returned in original along with the Tender in ENVELOPE-II (Commercial Offer)

Serial No	Tender Reference No	Price (in INR)

A support sheet to be included to this providing itemized costs, including the cost of supporting each of the three years of operations.

Cost of additional manpower (if necessary) per month of effort for each skill level should be provided as an ADDENDUM to the Price quote. This rate will be used for any changes to project requirements.

NOTE:

- I. All the prices should be inclusive of all taxes, duties & for destination.**
- II. As per award criterion mentioned in point no 24. The Bids will be ranked in terms of total score. The Bid with the highest total score will be considered for Award of Contract.**
- III. Purchaser reserves right to negotiate with the bidder selected using above mentioned award criterion.**
- IV. Payments will be made as per the payment terms mentioned in this tender document after deducting penalties if any.**
- V. No price variation shall be allowed during the period of contract i.e. 3 years.**
- VI. All software items should be with necessary updates & upgrade support for a period of 3 years from the date of commissioning of the complete system.**

Signature of Bidder _____

Business Address _____

Place:

Annexure E– DRAFT CONTRACT FORM (CF)

AGGREEMENT MADE this ____ day _____ of Two thousand _____
Between _____
_____(hereinafter called "the Contractor") of the one part and the Government of Haryana (hereinafter called "the Government") of the other part.

WHEREAS the contractor has tendered for providing consultancy services to the Department of Economic and Statistical Analysis, Haryana (hereinafter called "The DESA ") as per the terms and conditions mentioned in the tender document. Whereas such tender has been accepted and the contractor has deposited with the DESA the sum of Rs. _____ (Rupees _____ only) as security for the fulfillment of this Agreement.

NOW IT IS HEREBY AGREED between the parties hereto as follows:

The contractor has accepted the contract on the terms and conditions set out in the tender notice no. _____ dated _____ as well in the acceptance of tender no. _____ dated _____, which will hold good during period of this agreement.

Upon breach by the contractor of any of the conditions of the agreement, the DESA may issue a notice in writing, determine and put an end to this agreement without prejudice to the right of the Government to claim damages for antecedent breaches thereof on the part of the contractor and also to reasonable compensation for the loss occasioned by the failure of the contractor to fulfill the agreement as certified in writing by the DESA which certificate shall be conclusive evidence of the amount of such compensation payable by the contractor to the Government.

Upon the determination of this agreement whether by efflux ion of time or otherwise the said deposit shall after the expiration of 36 months from the date of such determination be returned to the contractor but without interest and after deducting there from any sum due by the contractor to the Government under the terms and conditions of this agreement.

This agreement shall remain in force until the expiry of 36 months from the date of entering into the contract but the DESA may cancel the contract at any time upon giving one months notice in writing without compensating the contractor. In witness whereof the said _____ hath set his hand hereto and the DESA has on behalf of the Government of Haryana affixed his hand and seal thereto the day and year first above written.

The DESA may give notices in connection with the contract.

In consideration of the payments to be made by the DESA to the Vendor as hereinafter mentioned the Vendor hereby covenants with the DESA to provide the Services and to remedy defects therein conformity in all respects with the provisions of the Contract.

The DESA hereby covenants to pay the vendor in consideration of the provision of the Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract.

If subject to circumstances beyond control (Force Majeure) the contract fails to deliver the services in accordance with the conditions mentioned in the tender, the Department of Economic & Statistical Analysis, shall be entitled to render services from else other organization after giving due notice to the vendor on the amount and at the risk of the vendor without canceling the contract in respect of the consignment not yet due for delivery, or to cancel the contract. In the event of action to be taken, the contractor shall be liable for any losses which the DESA, may sustain on that account. The recovery by way of penalty will be made by deducting the amount from the bills be made good by a credit note within the stipulated period for the purpose.

CHANDIGARH CONTRACTOR

Witness:

- 1 For Department of Economic & Statistical Analysis
- 2 On behalf of the Governor of Haryana.

Annexure F – PERFORMANCE SECURITY FORM (PSF)

To:
(Name _____ of _____ Indenter)

WHEREAS _____ (Name of bidder) hereinafter called “the bidder” has undertaken, consultancy Contract No. _____ dated, _____ 2011 to render services hereinafter called "the Contract".

AND WHEREAS it has been stipulated by you in the said Contract that the vendor shall furnish you with a bank Guarantee by a recognized bank for the sum specified therein as security for compliance with the vendor's performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the vendor a guarantee:

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the vendor, up to a total of 10% of the total ordered value (Amount of the guarantee in Words and Figures) and we undertake to pay you, upon your first written demand declaring the vendor to be in default under the contract and without cavil or argument, any sum or sums within the limit of _____ as aforesaid, without your needing to prove or to show this grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the _____ day of _____ 2011

Signature and Seal of Guarantors

Date: _____

Address: _____

Annexure G – Details of Manpower working on the project

[Use the format given below for each individual.]

S. No	Item	Details	Attachment Reference for additional information
1	Name		
2	Specify role to be played by him/her		
3	Current job title		
4	Experience in years.		
5	Number of years with the organization		
6	Current job responsibilities		
7	Summary of Professional / Domain experience		
8	Skill sets		
9	Highlights of assignments handled and significant accomplishments		
10	Educational Background, Training/Certifications		

Annexure H- SOFTWARE SOLUTION SPECIFICATIONS

The solution proposed by the system integrator should conform to the below specifications and should be seamlessly integrated with the common metadata as per the Technical compliance sheet and description mentioned in the technical bid evaluation criteria.

1. Data Entry Module

- Application should be deployed on windows Server 2003 with in the DESA working for internal uses/testing etc with in DESA LAN.
- Application shall be deployed on available technical environment in SDC (State Data Center) for hosting for public use.
- Application should have support for Online and Offline Data Entry.
- Application should have built-in/configurable validation.
- Application should have online help facility.
- Application should have provision for data comparison between two period data.
- Application should have provision for data entry status tracking at different level.
- User management should be integrated with domain identity management services.
- Application should have provision to incorporate new data entry formats in near future.
- Application should support data uploading, vetting and monitoring at each level (State, district....)
- Application should have provision of Data comparison between current period data entered and the immediate previous period data.

2. Analytical intelligence & reporting Platform (as per the Technical Compliance Sheet)

The below specifications/features of the Statistical Reporting framework has the following components:

- A) Data Integration with built-in Data Quality
- B) Statistical Analysis and Forecasting
- C) Web Based Reporting
- D) Business Intelligence Portal
- E) GUI Based Client Component for Ad-hoc analysis, reporting, statistical analysis and forecasting
- F) Common Repository of Technical Metadata

Annexure I- Details of Publications

The details of various publications/index are given below & also mentioned in the Scope of work. The input required for those publication and output are also given. The PDF file of these Performa's are also attached here.

S.No.	Name of Publication/Index	Input (No. of forms in which information is collected)	Output in the form of Tables	Frequency
1.	State Statistical Abstract	Approx. 75 Departments at State Head Offices and Govt. of India.	Approx. 390 tables	Annual
2.	Economic Survey of Haryana	Departments at State Head Offices	Approx. 40 tables	Annual
3.	Haryana Economy Card	State Statistical Abstract	1 Card	Annual
4.	IIP	From 525 Industries selected in Haryana in 1 Performa	About 10 tables	Monthly
5.	Estimates of Gross Fixed Capital Formation of Hr. State by type of industry of use.	4 Performa's from Various Departments	2 Tables	Annual
6.	Estimates of Gross Fixed Capital Formation of Hr. State by type of institutions.	4 Performa's from Various Departments	2 Tables	Annual
7.	Estimates of Gross Fixed Capital Formation of Hr. State by type of Assets.	4 Performa's from Various Departments	2 Tables	Annual
8.	Plan Monitoring	Form various departments through 12 Performa's in Plan Scheme.	Approx. 300 pages	Annual
9.	Consumer Price Index of Industrial Workers	Selected 6 Centers, 3 Performa's for each Center	Index	Monthly
10	Whole Sale Price Index of important agricultural commodities.	20 selected market committees in the state. 2 Performa's for each center.	Index	Monthly
11.	Rural Consumer Price Index	24 selected centers, 1 Performa for each center	Index	Monthly
12.	GSDP, NSDP, Per Capita Income	From Boards & Corporations. C.S.O., D.S.O. & Different States in 8 Performa's	About 400 statistical tables	Annual
13.	Economic Classification of Budget of Municipal Committees in Haryana	Collected information in Performa's of 24 pages form M.C. Budget	11 Tables	Annual
14.	N.S.S.(64 th Round)	Annual Survey through questionnaire	Approx. 100 Tables	Annual/ Half Yearly
15.	Agriculture Labor Wages & Rural Retail Prices	10 Performa's from One village from each District	2 returns per District	Monthly
16.	Hr. Govt. Employee's Statistics	3000 schedule containing 10 types of Performa's from all the Departments	1 Card	Annual
17.	Economics of Farming	10 pages Performa each	5 Appendix &	Annual

		from 234 selected Holdings in Haryana	Report	
18.	Family Budget of selected Cultivators.	10 pages Performa each from 117 selected Cultivators	13 Appendix & Report	Annual
19.	District Plan	From various departments at District level through one Performa		Quarterly Review
20.	Economic & Functional Classification of Hr. Govt. Budget	Budget	24 Tables	Annual
21.	Analysis of State Revenues.	RBI Bulletin	8 Tables & 8 Annexure	Annual
22.	Socio-economic indicators	Various Departments	35 Tables	Annual
23.	Plan Formulation	From various departments for 5 yearly/Annual Plan	Approx. Book of 300 pages	Annual/5 yearly

Annexure-J Technical Compliance Sheet

Category	Requirements	Response (Yes/No /Customi zation)	Comments and Proposal Section Reference	For Internal Use
Data Entry	Online provision			
	Offline Provision with uploading of Data			
	With required validation checks			
Networking	SWAN/Broadband should be used			
Testing & Certificatio n	Internal testing, Functional testing, Performance testing and Certification by the third party (including all documentary evidence).			
Data Center Support (SDC/NIC for hosting)	After completion Security Audit is required by empanelled agencies by GOI/MIT/NIC			
Types of Reports to be Processed	Static Reports identified by Department.			
	Dynamic Reports			
	Queries			
Change Request	Centralized solution to manage day to day change request.			
Market Presence	Robust Extract Transform Load (ETL) tool.			
	Availability of Data Mining & Text Mining tool.			
System Controls	Central Metadata Repository to manage the flow and traceability of data and structures			
	End-to-End BI solution			
	Central Administration Capabilities for database S/W and resources.			
Compatibility with Relational Databases	Solution should provide interface to SQL Server, postgresQL & MySQL databases. Department already has SQL Server licenses.			
Compatibility with other filing systems	Solution should provide interface to PC Files.			
Platform Support	Platform independent, in case of Windows it should be Windows IPF 2003 or above. Department has Windows 2003 already procured.			
Metadata Management (Administration)	Single window point of control over administrative tasks.			
	Through provide centralized management of resource access control as well as desktop access within the organization through visual console.			
	Control over services.			
	System management standard SNMP/MIB/JMX.			
Security(Applicat ion & database level as well as data entry level)	Access provision should be MD5 supported.			
	Inputs should be protected from SQL injections.			
	Role based access.			

Category	Requirements	Response (Yes/No /Customization)	Comments and Proposal Section Reference	For Internal Use
3rd party security audit of the entire solution before hosting	SDC & SWAN shall be used for data storage & data networking.			
	Data encryption on the fly.			
	Provision for digital certificates for data updation.			
Architecture	3 Tier architecture should be supplied 64 bit platforms.			
	Internet Exploral 5 or above & fire fox should be supported.			
Scheduling Services	Every job/processing of data need to be controlled also provision for scheduling of jobs is required.			
Reporting, Check Points, query building & management	Apart from the statistical reports provision need to be there for generation of dynamic reports, ad-hoc queries by selecting required number of parameter & formulas.			
	Provision of need based graphical representation of data.			
	Given indicator & check points shall be in built in the reports.			
	Building & saving of needful queries for future uses.			
	Output should be in XML, Excel, PDF as may be required.			
OLAP	Data simulation and forecasting, “what-if” analysis, trend analysis, time variant analysis need to be supported.			
	OLAP sources should be able to spread across multiple file systems, and should support MOLAP, ROLAP & HOLAP.			
Major Web Functionality	Selected features from the desktop version need to be available on web version including reports.			
	Ad-hoc queries & dynamic reports need to be available.			
Web Portal/Web Reports	Support publishing of static reports with run time parameters.			
	The web interface support Multidimensional data exploration: drill, rotate, filter, reorganize, sort, toggle totals, export to various target formats.			
	Portal pages should contain portlets that are updated upon page refresh			
	Explore data following ragged or unbalanced hierarchies that model true hierarchies as they are experienced in business			
	Multilingual reporting including support for graph notes, legends, axis			
	Reordering hierarchies, measures, pivot/rotate data from rows to columns and vice versa, create private book marks			
Additional Features	Excess to other available data sources of the State.			
	Integration with MS office products with facility to directly transfer reports from MS Excel to MS Word, MS Power Point etc.			
	Offline viewing of previously created results.			

Category	Requirements	Response (Yes/No /Customization)	Comments and Proposal Section Reference	For Internal Use
ETL (Extract, Transform and Load)	Central Administration for Metadata Repository traceability of data & structure required.			
	Access interface for data bases namely ORACLE, SQL Server, DB2 etc & PC files of MS Excel, flat files and DBF should be there.			
Statistical Analysis	The Statistical Solution should provide for the following:			
	Analysis of Variance			
	Balanced and unbalanced designs.			
	Multivariate analysis of variance and repeated measurements.			
	Linear and non-linear mixed models.			
	Regression			
	Least squares regression with nine model selection techniques, including stepwise regression.			
	Diagnostic measures.			
	Robust regression; Loess regression;			
	Non-linear regression and quadratic response surface models.			
	Partial least squares.			
	Categorical data analysis			
	Contingency tables and measures of association.			
	Logistic regression and log linear models;			
	Generalized linear models.			
	Generalized estimating equations.			
	Weighted least squares regression.			
	Exact methods.			
	Multivariate analysis			
	Factor analysis.			
	Principal components.			
	Canonical correlation and discriminant analysis.			
	Structural equations.			
	Cluster analysis			
	Hierarchical clustering of multivariate data or distance data.			
	Disjoint clustering of large data sets.			
	Nonparametric clustering with hypothesis tests for the number of clusters.			
	Nonparametric analysis			
	Nonparametric analysis of variance. Exact probabilities computed for many nonparametric statistics.			
Kruskal-Wallis, Wilcoxon-Mann-Whitney and Friedman tests.				
Other rank tests for balanced or unbalanced one-way or two-way designs.				
Survey data analysis				
Sample selection				
Descriptive statistics and t-tests				

Category	Requirements	Response (Yes/No /Customization)	Comments and Proposal Section Reference	For Internal Use
	Linear and logistic regression			
	Frequency table analysis.			
	Multiple imputations for missing values			
	Regression and propensity scoring for monotone missing patterns.			
	Combine results for statistically valid inferences.			
	Computation of sample sizes and characterization of power for t-tests,			
	Confidence intervals, linear models, tests of proportions and rank tests for survival analysis.			
Forecasting	Point-and-click interface for exploring and forecasting time series data.			
	Ability to automatically diagnose the time series data for seasonality, trend etc.			
	Automatically selects the best-fitting forecasting model for each time series.			
	Provides mathematically optimized model parameters.			
	Interactive model development facility for more experience forecasters			
	Graphically displays time series diagnostics tests			
	Inclusion of regression variables and unusual events in the forecasting model.			
	Perform diagnostic checks on fitted models			
	Option to statistically combine multiple forecasts			
	Forecasting and time series methods: A) Trend extrapolation; exponential smoothing; Winters method (additive and multiplicative) ARIMA (Box-Jenkins) B) Structural time series models or unobserved components models C) Dynamic regression or transfer function models D) Joint forecasting of multiple time series using vector time series analysis and general E) State space models F) Automatic outlier and event detection G) Time series decomposition and seasonal adjustment H) Spectral and cross-spectral analysis for finding periodicities or cyclical patterns in your data			
	Convert time series from one sampling frequency to another and interpolate missing values.			
Aggregate time-stamped transactional data into time series				
Desktop Client(Without browser)	Desktop Client should be able to provide a single interface for data integration & manipulation such as tabulation, forecasting, statistical analysis, econometric modeling and multi-dimensional analysis with the following features:			
	Windows based point and click desktop application which provides the business analysts and power users to carry out extensive analysis on data such as descriptive statistics, drag and drop tabulatory reports, correlation, multiple regression etc as described in the statistical analysis requirement section.			

Category	Requirements	Response (Yes/No /Customization)	Comments and Proposal Section Reference	For Internal Use
	Provide self-sufficient and easy access to enterprise data sources on multiple platforms, operating systems and databases.			
	Ability to visually access any supported database and support for native Windows data types via ODBC, OLEDB, OLE DB for OLAP, and from mail servers.			
	Analysis results to be delivered in various formats like HTML, RTF, text, and/or PDF form. Should provide the facility to save output in tables or data as the same as the input format.			
	The process and the nodes selected in the process flow diagram should generate its own code. The process flow should have the facility to view and edit the code generated by the system.			
	The system should allow the users to link separate code nodes to the process.			
	Export results to other applications such as Adobe Acrobat, Spread sheets, and Word processor			
	The client interface should also provide browser based kind of click and view functionality for the following: Total Code Submitted Last Code Submitted Reports Generated Code / Error Log			
	Flexibility to choose the template of reports & report output formats.			
	Define report layout through wizards: add tables, graphs, headers & footers.			
	Graphical Query Builder for users to visually access and manipulate their data without SQL expertise.			
	Join tables, order the joins, graphically or programmatically subset data to reduce the results to acceptable sizes and to identify the data you require.			
	Parameterize data to interactively filter the information required for intelligent decision-making.			
	Organize information for easy viewing with a Select and Sort interface.			
	Users can format existing variables and create new calculated variables.			
Installation	Installation manual.			
	Logs to be maintained.			
	Provision for up gradation & installation of patches.			
Storage for BI solution	Multi-Dimensional Storage with support Star Schema .			
	Partitioning of cubes may be allowed.			
	Size of cubes created by products should be manageable.			
Performance	Does the system support load balancing .			
	Does the system support multi-threading ?			
	Does the system support parallel processing ?			
	Does the system support caching mechanisms.			

Category	Requirements	Response (Yes/No/Customization)	Comments and Proposal Section Reference	For Internal Use
	Can the system optimize queries ?			
Scalability	Is Application scaleable to add/delete future models			
	Can solution run over cluster of servers.			
	Can the system serve n number of concurrent users (say, 50 to 150 users).			
Reliability	Does the system shutdown gracefully and restart the services in case of errors with recovery.			
	If there any data loss during such events, how will the user sessions be recovered?			
Logs/Statistics (Data updation trial log)	Are any systems logs maintained?			
	Does solution have failover capabilities/mechanisms in case of errors?			
	Are routine activities logged?			
	Are exceptions and errors logged?			
	Does the solution store statistics on queries and result sets?			
	Are performance metrics available on system usage, and application usage?			
Backups	What format is used to log the data? Are systems logs used? Can the data be exported to standard formats?			
	What backup and restore facilities is available in the product? Can data and metadata be backed up? Can logs be backed up? Can backup functions be scheduled?			
Help	What help and support capabilities does the solution/product provide?			

Annexure-K

1. Scope of work within typical working of DESA

1.1 State Headquarter

(a) Statistical Wing

S.No.	Section	Activities	Scope of Automation (Responsibilities of Bidder)
1.	Compilation	Collection, Compilation & analysis of various types of socio-economic data, Census of Haryana Govt. Employees, Publication of Statistical Abstract of Haryana, Haryana Economy Card, Agriculture Labour Wages & Rural Retail Prices, monthly/quarterly/annual progress reports of the department, note on activities of the department etc.	All Publications to be automated through software application i.e. Statistical Abstract of Haryana, Haryana Economy Card, Agriculture Labour Wages & Rural Retail Prices, monthly / quarterly / annual progress reports of the department, note on activities of the department
2.	Price	Collection of data & preparation of monthly Consumer Price Index Number of Working Class, monthly review of Retail Prices, monthly Wholesale Price Index Number of important agricultural commodities in Haryana.	Automated reports on monthly Consumer Price Index Number of Working Class, monthly review of Retail Prices, monthly Wholesale Price Index
3.	State Income	Collection of data & preparation of GSDP, NSDP & Per Capita Income of Haryana State both at Current & Constant Prices at State/District Level.	Automated reports of GSDP, NSDP & Per Capita Income of Haryana through software.
4.	Index of Industrial Production	Collection of Data & preparation of Index of Industrial Production on annual & monthly basis.	To make IIP Index through software.
5.	Capital Formation	Preparation of estimates of Gross Fixed Capital Formation of Haryana State for all sectors of the economy both at current & constant prices on annual basis.	Automated report of Fixed Capital Formation of Haryana for all sectors of the economy through software.
6.	Public Finance & Regional Accounts	Reports on "Economic & Functional Classification of Haryana Govt. Budget," "Economic Classification of Budgets of Municipal Councils/Committees in Haryana" & "Analysis of State Revenues" are prepared regularly on annual basis.	Automated report of Economic & Functional Classification of Haryana Govt. Budget, Economic Classification of Budgets of Municipal Councils/Committees in Haryana and Analysis of State Revenues through software.
7.	Agriculture	Study reports on "Economics of Farming" & "Family Budget of	Data entry through software, generation of tables and to

		selected Cultivators” are brought out regularly on annual basis.	make report of both the reports.
8.	Improvement of Social Statistics	Preparation of socio-economic indicators relating to different aspects of the social life of the people of Haryana	Prepare ISS indicators through software.
9.	Training & General	Organization of in-service training camps for the statistical personnel of other departments at the State/District level. This section also brings out economic Survey of Haryana every year.	The vendor will provide user manuals.
10.	National Sample Survey	Conducting of sample surveys in collaboration with N.S.S.O. Govt. of India on various socio-economic aspects of development viz.; land utilization, births & deaths, employment & unemployment, condition of residential houses, consumer expenditure, disability etc. in the form of successive rounds every year.	Applying various Analytical tools for generation of required reports.
11.	Tabulation	Undertakes the tabulation of data collected under various rounds of N.S.S. according to priorities laid down by the N.S.S.O.; Govt. of India.	Data entry, Validation & table generation through software application . Provision of data entry should available with respective HoD under controlled access
12.	RTI	Providing information under the RTI Act, 2005 when a person who desire to obtain any information in application in form – “A” (under RTI Act) with a fees as specified in Rule 5 of this Act.	-

(b) Planning Wing

Sr. No.	Section	Activities	Scope of Automation (Responsibilities of Bidder)
1.	Plan Formulation	Preparation of 5 year & annual plans	Prepare Plan document through software.
2.	Plan Monitoring	Monitoring of expenditure under Plan Schemes of various departments	Plan monitoring of various Plan Scheme through software by incorporating monitoring indicators.
3.	District Plan	Preparation of District Plan-annual as well as 5 year and their implementation after getting these approved from the respective Planning Committee.	Monitoring of District Plan Schemes through software by using various indicators.

4.	Evaluation	Evaluation studies of Development Programs	To evaluate by providing values in certain development indicators.
5.	Manpower & Employment Coordination	Estimation of the requirement and availability of technical personnel like Doctors, Teachers, and Agricultural experts.	-
6.	20 – Point Program	Preparation 20-Point Program reports	To monitor 20-Point Program through software.

(c) Establishment Wing

Dealing of all matters related to Establishment, Administration, Budgets, and Accounts etc.

1.2 Field Offices:

S.No.	Field Offices	Activities	Scope of Automation (Responsibilities of Bidder)
1.	District Statistical Offices in the state	Collection/compilation of various types of socio-economic data, participation in various surveys being conducted at district level, co-ordination of statistical activities of various offices at district level and bringing out of various publications namely, District Statistical Abstract, Municipal Year Books, District Socio Economic Reviews, collection of data on prices and market arrivals and collection of information relating to 20-Point Program for review during the monthly meetings at district level.	Prepare District level publications through software. There should be provision of on-line & off-line data entry and transfer of data to Head Office. To provide web-based secured access for forms and data uploading from Head Office.
2.	District Planning Offices	Preparation of District Plan- annual as well as five year and their implementation after getting these approved from the respective District Planning Committee and progress is also reviewed by CPDO on monthly & quarterly basis. In accordance with the guidelines issued by the Planning Commission, Govt. of India the preparation of Districts Development Plans has become mandatory.	Prepare & review of District Plan at District Offices.
3.	Other departments at State/District Level	To provide data in forms and formats prescribed by DESA.	To provide web-based secured access for forms and data uploading to respective department.

4.	Govt. of India	Provision to share data directly under controlled access	Provision should be there for GOI access
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1.3 Scope of work under various Publications (First approved Outputs of proposed system)

Caution:: All publications mentioned below are also required in the HTML/ Hyperlinked format, so that the same can be available on CDs or on DESA portal for access by all concerned.

1.3.1 Statistical Wing

Section	Sr. No.	Name of publication	Brief description	Source of data origin	Terminal Point	Frequency	Volume of Data
Compilation	1.	State Statistical Abstract	Storehouse of socio-economic statistics in time-series.	Various Departments	E.S.O.	Annual	400 Tables
	2.	Census of Hr. Govt. employees	Department wise / class wise No. of Govt. employees & their expenditure on Basic Pay, D.A., H.R.A., Medical Allow. Etc.	Various Departments at State Head quarters & fields offices.	E.S.O.	Annual	3000 schedule containing 9 types of Performa
	3.	Agriculture Labor Wages & Rural Retail Prices	Collection of District- Wise information on Agricultural Labour Wages (8 items) & Rural Retail Prices of agricultural commodities (8 items).	One selected Village from each District (through D.S.O.)	E.S.O./ Ministry of Agriculture Govt. of India.	Monthly	2 returns per District
	4.	Haryana Economy Card.	Brief socio-economy data of the State.	State Statistical Abstract Haryana	E.S.O.	Annual	Folder Card of 5 Pages
	5.	Card on Hr. Govt. Employee's	Brief data relating to Hr. Govt.	From processed results of	E.S.O.	Annual	Folder Card of 7 Pages

		Statistics	Employees.	Census of Hr. Govt. Employees			
Price	1.	Consumer Price Index of Industrial Workers	Collection of data & preparation of Consumer Price Index of Industrial Workers.	6 selected centers in the State.	E.S.O.	Weekly/ Monthly	3 Performa for each center.
	2.	Rural Consumer Price Index	Collection of data and preparation of Rural Consumer Price Index	24 Selected Centers	ESO	Fortnightly	1 Performa for each centre
	3.	Whole Sale Price Index of important agricultural commodities	Collection of whole sale prices of Agricultural Commodities	20 selected Market Committees in the State.	E.S.O.	Weekly	2 Performa for each center.
State Income	1.	GSDP, NSDP, Per Capita	To measure in monetary term the volume of all goods & services produced within the boundary of State during a given period of time.	Various Govt. Boards & Corporations , C.S.O, D.S.O. & Different States	E.S.O./ C.S.O./ other States.	Annual	About 400 statistical tables are generated.
Index of Industrial Production	1.	Monthly Index of Industrial Production	Measure of change in the Industrial Production over a period of time.	525 Industries selected in each District (through D.S.O.)	E.S.O.	Monthly/ Annual	About 525 Industries selected
	2.	Summary results of ASI	To compile main characteristics of ASI	National Sample Survey Organisation (FOD), Govt. of India.	E.S.O./ C.S.O.	Annual	Data of about 2500 A.S.I. returns
Capital Formation	1.	Estimates of Gross Fixed Capital formation of Hr. State by industry of use.	The estimates of Gross Fixed Capital formation are prepared for all the sector of the economy.	Various departments (through D.S.O.), N.D.C.U./ State Govt. & Central	E.S.O.	Annual	2 statistical tables

				Govt.			
	2.	Estimates of Gross Fixed Capital formation of Hr. State by type of institutions	Public administration departmental enterprises, non-department-al enterprises.	C.S.O.	E.S.O.	Annual	2 statistical tables
	3.	Estimates of Gross Fixed Capital formation of Hr. State by type of Assets.	Preparation of estimates of Building, Roads, Bridges and Plant & Machinery.	D.S.O.	E.S.O.	Annual	2 statistical tables
Public Finance	1.	Economic & Functional Classification of Hr. Govt. Budget	Analysis of Revenue & Expenditure of Hr. Govt. Budget.	Haryana Government Budget	E.S.O.	Annual	24 Statistical Tables
	2.	Economic Classification of Budget of Municipal Committees in Haryana	The Budget of these Municipal Committees studied for the purpose of economic classification.	The Budget of Municipal Committees	E.S.O.	Annual	Inf. In Performa' s of 24 page from all M. C. & 11 Tables.
	3.	Analysis of State Revenues.	Comparative study of various Taxes & Grants of all the States.	Reserve Bank of India Bulletin	E.S.O.	Annual	8 Statistical Tables & 8 Annexure
Agriculture.	1.	Economics of Farming	To find out annual income, investment & net return per hectare under different size of Holding & also cost of production of different crops.	234 selected Holding in Haryana	E.S.O.	Annual	In 5 Appendix
	2.	Family Budget of selected Cultivators.	Income / Expenditure & domestic consumption pattern of Family Budget of selected Cultivators in Haryana.	117 selected Cultivators	E.S.O.	Annual	In 13 Appendix

ISS	1.	Socio-economic indicators	Socio-economic indicators relating to different aspects of the social life of the people of Haryana	Various departments.	E.S.O.	Annual	35 Statistical Tables
Training & General	1.	Economic Survey of Haryana	Analysis of Economic Survey	Different Departments	E.S.O.	Annual	Reports of about 100 pages containing 40 Statistical Tables
National Sample Survey	1.	Conducting of Sample Surveys	Sample Survey of various socio-economic aspects of development as required by NSSO, Govt. of India.	Primary Data from the sampled beneficiaries	E.S.O./ Govt.of India	Annual	64th round contains 240 Samples
Tabulation	1.	Processing of data collected under National Sample Surveys.	As per Requirement	As per requirement	E.S.O./ Govt.of India	Annual	240 Samples

1.3.2 Planning Wing

Section	S r.	Name of item	Brief description	Source of origin	Terminal Point	Frequency	Volume of Data
Plan Formulation	1.	Preparation of 5 year & annual plans	Allocation of funds under Plan Schemes to different departments	Different departments relating to Plan.	E.S.O./State Govt./Govt.of India	Annual/ 5 years	Annual Plan in 3 volume & 5 year Plan in 1 volume
Plan Monitoring	1.	Monitoring of expenditure under Plan Schemes of various departments	To study the progress of Plan Schemes.	Different departments relating to Plan	E.S.O./State Govt.	Quarterly	In 8 Performa's

District Plan	1.	District Plan	Preparation of District Plan- annual as well as 5 year and their implementation after getting these approved from the respective Planning Committee.	Field offices relating to development (through D.P.O./ A.D.C.)	E.S.O.	Quarterly/ Annual	As per prescribed Performance
Evaluation	1.	Evaluation studies of Development Programs	To assess the impact & find out shortcoming if any.	Concerned departments & sample beneficiaries	E.S.O./State Govt.	As and when assigned by Evaluation Sub-Committee of State Govt.	Depending upon the study.
Manpower & Employment Coordination	1.	Estimation of the requirement and availability of technical personnel like Doctors, Teachers, and Agricultural experts.	Study regarding requirement & availability	Concerned departments	E.S.O.	After 5 years relating to Plan Period	Secondary data from about 160 institution/offices.
	2.	State fact book on manpower	To review Employment & unemployment scenario in the State.	Related departments.	E.S.O.	After 10 years.	Publication in 3 volume.
20 – Point Program	1.	Preparation 20-Point Program reports	To review the progress of 20-Point Program	Various Departments relating to 20-Point Programme in the field offices.	Haryana Govt./ Govt.of India.	Monthly/ quarterly.	20 points in 3 pages.

1.3.3 Establishment wing

Section	Sr.	Name of item	Brief description	Source of origin	Terminal Point	Frequency	Volume of Data
Establishment	1	All matters relating to Establishment Administration, Budgets, Accounts etc. Personal Information System, Pay Roll, Loans & Advances etc.	Dealing of all matters relating to Establishment, Administration, Budgets, Accounts etc.	As per requirements	As per requirement	Daily/ Monthly/ Annual	As per requirement

1.3.4 District Statistical Offices

Sr.	Name of item	Brief description	Source of origin	Terminal Point	Frequency	Volume of Data
1.	Collection/ compilation of various types of data.	Various surveys conducted at district level.	Various offices in the field	E.S.O.	As per the requirement	As per requirement
2	District Statistical Abstract	Store house of socio-economic statistics in time- series of district.	Various departments.	E.S.O.	After 3 years	28 chapters contained 162 tables
3.	Municipal Year Book	To study the data relating to education, population & income & expenditure of M.C.	Various departments & M.C.	E.S.O.	After 5 years	40 Statistical Tables
4.	District Socio Economic Reviews	To study the overall development of the District.	Various departments of the District.	E.S.O.	Annual	14 chapters
5.	Prices	To collect the whole sale prices at selected center	Primary data collected at selected center	E.S.O.	Weekly	10 performs
6.	20-Point Program	To study the progress of 20 point program	Various departments relating to 20-point program	Haryana Govt./ Govt. of India	Monthly	4 pages

1.3.5 District Planning Office

S. R.	Name of item	Brief description	Source of origin	Allocation of Funds	Frequency	Volume of Data
1	District Plan	Preparation of District Plan-annual as well as five year and their implementation after getting these approved from the respective District Planning Committee and progress is also reviewed by CPDO on monthly & quarterly basis. District Development Plan process would be an integral part of the process of preparation of Five Year Plans and Annual Plans. This process has already been started in the District planning Offices. The scheme wise/ village wise/ MC wise and other information is required to be feed in District Plan Software.	Field Offices relating to developmental activities	The allocation of funds under District Plan has also been increased to the tune of Rs. 100.00 crores during the year 2007-08 as compared to the allocation of Rs. 20.00 crores during the year 2006-07 under Decentralized Planning Scheme. Further, the outlay for 11th Five Year Plan 2007-12 has been approved at Rs.1292.93 crores.	Regular as per requirement	The volume of work has increased manifold in the Planning Offices at District level.

Annexure-L

Presently available Hardware for the use in proposed system

Hardware: The detail configuration of latest hardware at the State Head Quarter and at District level offices are presented in the table below:

Items	Head Office	D.S.O.	Planning Office	Configuration	Operating System/ Software
Computers P-IV (HCL)	26	2	2	INFINITI PRO BL 1295/C2D3.0, 250GB SATA HDD, 43CM(17") LCD, 1 GB DDR RAM	Window-XP Prof.
	3	-	-	INFINITI 1.6 GHz, Cache 256 KB, 20 GB HDD, 128 MB RAM, 15" Monitor	Window-XP Prof.
	5	-	-	INFINITI 2.6 GHz, 40 GB HDD, 256 MB RAM, 15" Monitor	Window-XP Prof.
Computers P-IV (ACER)	21	1	-	Acer 1.8 GHz, 512 KB L2 Cache, 400 MHz, 256 DDR RAM, 40 GB HDD, 15" Monitor	Window-XP Prof.
	23	1	-	Acer 2.8 GHz, 1 MB L2 Cache, 800 MHz, 256 DDR2 RAM, 80 GB SATA HDD, 15" Monitor	Window-XP Prof.
Total	78	4 (Each DSO)	2 (Each P.O.)		
Grand Total	78	80	40		
Servers (ACER)	2	-	-	Altos 6710 Intel Xeon 3.0 GHz, 2 GB upgraded up to 8 GB, DDR RAM ECC@ 333 MHz, 533 FSB, 512 KBL2ECC Cache, Intel Server Class Chipset, 3X36 GB 15k rpm Hot-Swap HDDs, SCSI Controller	MS-SQL 2005 enterprise edition + Window Server Enterprise 2003
<u>Laptop</u> HP-Compaq nx6320	1	-	-	Mobile Intel core 2 Duo, 1.83 GHz with 2MB L2 Cache 667 MHz, 945 GM Express Chipset, 512 MB DDR2, 80 GB SATA HDD	Window-XP Prof.
<u>Printer</u>					
Laser	23	1	1		
DMP	13	1	1		
Total	36	2	2		
Grand Total	36	40	40		

This Office has hardware items of latest configuration. If any additional hardware is required for smooth running of your software at Head Office & District Office then quote in the technical bid.

Annexure-M

Initial list of departments that will be covered under the web based data collection facility

1. Advocate General, Haryana (High Court), Chandigarh.
2. Administrator General & official Trustee & Treasurer-Charitable Endowments S.C.O. No.909, IIRD Floor, Manimajra U.T.
3. Agriculture
 - i. Director of Agriculture, Kandi Vikas Bhawan, Sector 21, Panchkula, Haryana.
 - ii. Joint Director, Statistics, Agriculture Department, Kandi Vikas Bhawan, Sector 21, Panchkula, Haryana.
 - iii. The Cane Commissioner, Kandi Vikas Bhawan, Sector 21, Panchkula, Haryana.
 - iv. The Marketing Officer, Agriculture Department, Haryana, Krishi Bhawan, Sector 21, Panchkula.
 - v. The Locust Control & Protection Officer, Agriculture Department, Haryana, Kandi Vikas Bhawan, Sector 21, Panchkula, Haryana.
 - vi. The Additional Director, Engineering, Agriculture Department, Haryana, , Kandi Vikas Bhawan, Sector 21, Panchkula, Haryana.
4. Director General, Animal Husbandry and Dairying Haryana. Pashudhan Bhawan, Bays 12, Sector 2, Panchkula.
5. Director, Archeology & Museums, Haryana, SCO No.9, Sector 5, Panchkula.
6. Chief Architect, Haryana, Nirman Sadan, Sec-33A, Chandigarh.
7. Director, Archives, Haryana, Sinchai Bhawan, 4th Floor, B-Block, Sector 5, Panchkula.
8. Director, Ayush, Sector-3 PKL Near Youth Hostel, Panchkula.
9. Adviser, Civil Aviation, Haryana, SCO No. 2913-14, Sector 22-C, Chandigarh.
10. Chief Secretary, Civil Secretariat
 - i. The Under Secretary, to Govt., Haryana, Secretariat, Establishment-I.
 - ii. The Under Secretary, to Govt., Haryana, Secretariat, Establishment-II, Chandigarh.
 - iii. The Section Officer, Services-I Department, (Chief Secretary to Govt., Haryana) Haryana Civil Secretariat, Chandigarh.

11. Chief Electrical Inspector, SCO No. 85-86, Sector 17-D, Chandigarh.
12. Director, Consolidation, Haryana, 1122-23, Sector 22-B, Chandigarh.
13. Registrar, Cooperative Societies, Sector-2, Panchkula, Sahkarita Bhawan.
14. Superintendent Establishment, Economic & Statistical Analysis Department, Haryana, Chandigarh.
15. Education
 - i. Commissioner, Higher Education, Haryana, Sector 5 Panchkula
 - ii. Director General, Secondary Education, Haryana, 30 Bays Building, Sector 17, Chandigarh.
 - iii. Director Primary Education Haryana, 30 Bays Building, Sector 17, Chandigarh.
16. Chief Electoral Officer, Haryana, 30 Bays Building, Sector 17, Chandigarh.
17. Employment
 - i. The Director of Employment, Haryana, SCO NO. 17, IInd Floor, Sector 7-C, Madhya Marg, Chandigarh.
 - ii. The Deputy Director of State Employment Exchange, Haryana, SCO No. 127-28, Sector 17-C, Chandigarh.
18. Excise and Taxation Commissioner, Haryana, SCO No. 71-75, Sector 17-C, Chandigarh.
19. Financial Commissioner and Principal Secretary, Revenue, Haryana, New Secretariat, Chandigarh.
20. Director, Fisheries Department, Shop Complex No. 6 Sector-16 PKL.
21. Director, Food and Supplies, Haryana, 30 Bays Building, Sector 17, Chandigarh.
22. Forest
 - i. The Principal Chief Conservator of Forests, Haryana, Sector 6, Panchkula.
 - ii. Chief Wild Life Warden, Plot No. C-18, Forest Complex, Sector 6, Panchkula.
23. Director General, Health Services, Haryana, Civil Dispensary Sector-4 Panchkula
24. Director General, Home Guards, 30 Bays Building, Sector 17, Chandigarh.
25. Hospitality
 - i. Director, Hospitality, SCO No. 17-19, Sector 17, Chandigarh.
 - ii. Hospitality Department, Haryana Bhawan, New Delhi
26. Industries
 - i. Registrar of Firms & Societies, Haryana, 30 Bays Building, Sector 17, Chandigarh.
 - ii. Director, Industries and Commerce Department, Haryana, Chandigarh.

- iii. Liaison Officer, Industries Department, Haryana Bhawan, New Delhi
- 27. Director, Industrial Training & Vocational Education, Haryana, 30 Bays Building, Sector 17, Chandigarh.
- 28. Director, Institutional Finance & Credit Control, Haryana, S.C.O. No. 141-42, Sector 8-C, Chandigarh.
- 29. Irrigation
 - i. General Manager/Project, Irrigation Deptt., Haryana, Sinchai Bhawan, Sector 5, Panchkula, Haryana.
 - ii. Superintending Engineer-Project & Design Circle, Irrigation Department, Haryana, Sinchai Bhawan, Sector 5, Panchkula, Haryana.
 - iii. Supdt. Engineer, Delhi Water Services, Division, 3 Alipur Road, Delhi-54.
 - iv. Supdt. Engineer, Vigilance Circle, Irrigation Branch, Haryana, Sinchai Bhawan, Sector 5, Panchkula, Haryana.
 - v. Delhi Division Delhi, 3-Alipur Road, Delhi
- 30. Labour Commissioner, Labour Department, Haryana, 30 Bays Building, Sector 17, Chandigarh.
- 31. Director, Land Records, Haryana, Patwar Training Center Sector 4 Panchkula.
- 32. i Legal Remembrancer & Secretary to Govt., Haryana, Law and Legislative Deptt. Civil Sectt., Haryana, 9th Floor, Chandigarh.
 - ii Addl. Director Prosecution Legal Cell, Haryana Bhawan, New Delhi
- 33. Director, Lotteries Department, Haryana, SCO 20 Sector 11 Panchkula.
- 34. Director, Urban Local Bodies, Haryana, SCO No. 6-7, Sector 17-B, Chandigarh.
- 35. Examiner, Local Fund Accounts, SCO No. 6, Madhya Marg, Sector 7, Chandigarh.
- 36. Director, Panchayat Department, Haryana, Panchayat Bhawan, Plot No. 3, Sector 28-A, Chandigarh.
- 37. Superintendent Engineer, Panchayati Raj, Haryana, Panchayat Bhawan, Plot No. 3, Sector 28-A, Chandigarh.
- 38. Police
 - i. Director General of Police, Haryana, Sector-6, Panchkula, Police Bhawan.
 - ii. Addl. Director General of Police, (CID), Sector-6, Panchkula, Police Bhawan.
 - iii. Superintendent of Police, Telecommunication, Sector-6, Moginand Panchkula .

- iv. Inspector General of Police (Railway and Technical Services, Haryana) Moginand Panchkula
- 39. Director General and Inspector General of Prisons, Bays Building 3&4 Sector-14 Panchkula.
- 40. Controller, Printing and Stationery, Haryana, Sector-18, Chandigarh.
- 41. Director, Prosecution, SCO 11-12, Sector 10, Panchkula.
- 42. PWD (B&R)
 - i. The Engineer-in-Chief (Gazetted Estt.) PWD (B&R), Haryana, Nirman Sadan, Sec-33A, Chandigarh.
 - ii. The Engineer-in-Chief (Non Gazetted Estt.) PWD (B&R), Haryana, Nirman Sadan, Sec-33A, Chandigarh.
- 43. The Engineer-in-Chief, PWD (Public Health), Haryana, Sector 4, Panchkula.
- 44. Information and Public Relations
 - i. Director, Information and Public Relations, Haryana, SCO NO. 189-91, Sector 17, Chandigarh.
 - ii. Information and Public Relations Department Haryana Bhawan, New Delhi
- 45. Secretary, Haryana Public Service Commission, Sector 4 Panchkula.
- 46. Rehabilitation
 - i. Chief Settlement Commissioner, Rehabilitation Department, SCO No. 4 & 5, Sector 7-C, Chandigarh, Madhya Marg, Chandigarh.
 - ii. Assistant Registrar, Landclaim, Haryana, SCO No. 4A, Sector 7, Madhya Marg, Chandigarh.
- 47. Secretary to Governor, Haryana Raj Bhawan, Chandigarh.
- 48. Director, Science and Technology, Haryana, SCO No. 24, Sector 26, Chandigarh.
- 49. Director, Sports and Youth Affair, Haryana, Majri Chock Sector 3, Near Youth Hostel Panchkula
- 50. Director, Small Savings, Haryana, 30 Bays Building, Sector 17, Chandigarh.
- 51. Director, Social Justice & Empowerment, SCO No. 68-70. Sector 17, Chandigarh.
- 52. Director General, State Vigilance Bureau, Haryana, Plot No. 10, Sector 6, Panchkula.
- 53. Secretary, Staff Selection Commission, Haryana, Sector 2 Panchkula

54. Director, Supplies & Disposal, Haryana, 1032-33, Sector 22-B, Chandigarh.
55. Enquiry Officer, Vigilance, SCO No. 145-46, Sector 17-C, Chandigarh.
56. Director, Technical Education, Haryana, Sector 4 Panchkula.
57. Director, Tourism, Haryana, SCO No. 17-19, Sector 17, Chandigarh.
58. Director, Town and Country Planning, Haryana, Sector 18-A, Madhya Marg, Chandigarh.
59. Transport
 - i. State Transport Commissioner, Haryana, 30 Bays Building, Sector 17, Chandigarh.
 - ii. The General Manager, Haryana Roadways, Industrial Area, Chandigarh.
 - iii. The General Manager, Haryana Roadways, Kings Way Camp, Delhi.
 - iv. State Transport Controller , Haryana, 30 Bays Building, Sector 17, Chandigarh
 - v. Senior Mechanical Engineer, Minister Car Section, Govt. Central Workshop, Haryana, Industrial Area, Chandigarh.
 - vi. Flying Squad Officer, Transport Department, ISBT, New Delhi
60. Treasury and Accounts
 - i. Treasury Officer, Haryana, Chandigarh.
 - ii. Director, Treasury & Accounts, Haryana, 30 Bays Building, Sec-17, Chandigarh.
 - iii. The Principal Accounts Training Institution, Sinchai Bhawan, Sector 5, Panchkula, Haryana.
 - iv. Treasury Officer, Canal Rest House, Sham Nath Marg, New Delhi
61. Urban Estate
 - i. Director, Urban Estate, C-3, Huda Complex, Sector 6, Panchkula.
 - ii. Genral Manager, Estate Office ,Trade Fair Authority of Haryana C-8 Baba KharkSingh Marg New Delhi
62. Secretary, Haryana Vidhan Sabha, Chandigarh.
63. Director, Welfare of Scheduled Castes and Backward Classes, SCO No. 68-70, Sector 17-A, Chandigarh.
64. Revenue
 - i. Deputy Commissioner, (Revenue).
 - ii. Resident Commissioner, Haryana Bhawan, New Delhi

65. District and Session Judges.
66. Director, Horticulture Sericulture Complex, Sector 21, Panchkula.
67. Director, Mines and Geology, Haryana, 30 Bays Building, Sector 17, Chandigarh.
68. Director, Electronics and Information Technology Department, Haryana, Civil Secretariat, 9th Floor, Chandigarh.
69. Director, Rural Development, SCO No. 183-85, Sector 17-C, Chandigarh.
70. Director Environment, Haryana, SCO No. 1-2-3, 2nd Floor, 17 Bays Building, Sector 17, Chandigarh.
71. Director, Women and Child Development Haryana, SCO No. 360-61, Sector 34-A, Chandigarh.
72. Director, Renewable Energy Sources, SCO No. 48, Sector 26, Chandigarh.
