Request for Proposal
For
Total Computerization
(Application development, configuration, training and post implementation support)
for
GISS (Gujarat Integrated Statistical System) under GSSSP
(Gujarat State Strategic Statistical Plan)
For
Directorate of Economics & Statistics (DES)
Government of Gujarat
(Tender no: SW: 17052014047)

Bid Processing fees: Rs. 25,000/-

Gujarat Informatics Ltd
Block no. 1, 8th floor, Udhyog Bhavan,
Sector-11, Gandhinagar-382017, Gujarat
Ph No. 23259237, 23259240 Fax: 23238925.
Email: info@gujaratinformatics.com
Website: www.gujaratinformatics.com

Last date for submission of Online Bids: 10th June, 2014 up to 1500 hrs
Date of opening of Technical bids: 10th June, 2014 at 1600 hrs

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Abbreviations

Abbreviation	Full Form
CERT-In	Indian Computer Emergency Response Team
COTS	Commercial Off-The-Shelf
DCHB	District Census Hand Book
DES	Directorate of Economics and Statistics
DSO	District Statistical Office
DSS	Decision Support systems
EMD	Earnest Money Deposit
EQDC	Electronics & Quality Development Centre
FRS	Functional Requirement Specification
GIL	Gujarat Informatics Ltd.
GISS	Gujarat Integrated Statistical System
GoG	Government of Gujarat
GoI	Government of India
GSIDBS	Gujarat Social Infrastructure Development Board
GSSSP	Gujarat State Statistical Strengthening Project
GUSHEEL	Gujarat Sheep & Wool Development Corporation Ltd
HoD	Head of Department
MIS	Management Information system
OEMs	Original Equipment Manufacturers
PMG	Project Management Group
QA	Quality Assurance
QCBS	Quality& Cost Based Selection
RJD	Regional Joint Director
SA	Statistical Assistance
SLA	Service Level Agreement
SOI	Statistical Office Inspection
SRS	System Requirement Specification
Tb	Technical Bid
TSP	Total Solution Provider
UAT	User Acceptance Test
URS	User Requirement Specification
XML	Extensible Markup Language

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1.   SECTION – I: INVITATION TO RFP

1.1.   RFP Notice

GIL on behalf of Directorate of Economics & Statistics re-invites bids for Total Computerization (Application development, configuration, training and post implementation support) for GISS (Gujarat Integrated Statistical System) under GSSSP (Gujarat State Strategic Statistical Plan).

This RFP is for appointment of a Total Solution Provider (TSP) to carry out Feasibility Study, Requirements gathering, data entry from 2013, Design and Development of Application Software, Implementation, Training and operations support for 5 years from competent agencies / companies with experience on such computerization projects involving large scale data processing and data analysis in India. Please note that Govt. of Gujarat expects the solution along with Statistical tool meeting the scope of work under this bid document should be compatible with succeeding version updates of BI tool (Report + Statistical Analysis) from the OEM during the project period. Besides, bidder is required under the terms of this bid to carry out all development related tasks to ensure that customization layer stays compatible with latest BI tool version releases.

The bidder, who intends to participate in this bid, is required to follow the below mentioned stages:
- Technical & Financial Bid Submission
- Opening of Eligibility Documents
- Evaluation of Eligibility Documents
- Opening of Technical Bid
- Evaluation of Technical bid
- Presentation on following points by all bidders :
    o Understanding of Scope of Work
    o Approach &Methodology
    o Experience of similar kind of project/s and execution in other state/s
    o Implementation Strategy (Pilot and State wide roll out)
    o Manpower / Resource deployment
    o Project Plan / Timelines
    o Bill of Material
    o Proposed Value additions
- Opening of Financial bids of all qualified bidders
- The bidder achieving the highest combined technical and financial score will be invited for negotiations and awarded contract.

Interested companies may download the RFP document from the website www.gujaratinformatics.com&https://gil.nprocure.com.

The bids must be submitted online through https://gil.nprocure.com. However the eligibility documents and technical bids must be submitted physically at GIL also.

DES reserves the right to reject any or all the Proposals in whole or part without assigning any reasons.

This RFP document is not transferable.

Minimum absolute technical score to qualify for commercial evaluation is 70.

Financial bids of only those bidders who qualify on the basis of evaluation of technical bids will be opened.

The bidder shall submit the **DD of Rs. 25,000/-** towards bid processing charges and **Rs. 35,00,000/-** towards bid security amount in sealed cover. The sealed cover should super scribe as "bid processing fees & bid security/EMD for the RFP for Total Computerization (Application development, configuration, training and post implementation support) of GISS for DES. Bid Processing fees & EMD must be in the form of Demand Draft in the name of **"Gujarat Informatics Ltd." payable at Ahmedabad /Gandhinagar** along with the covering letter with a **validity of 3 months.**

1.2.   Important Information

Sr. No.	Information	Details
1.	Last date and time for submission of EMD & Bid Processing fees in GIL (physically)	10th May, 2014 up to 1500hrs
2.	Last date and time for submission of eligibility &technical bids (online as well as physically) and Financial bid online	10th May, 2014 up to 1500hrs
3.	Date and time for opening of Bids	10th May, 2014 at 1600hrs
4.	Place for submission of EMD & bid processing fee, EMD and opening of Bids	Conference Room, Gujarat Informatics Ltd. Block No. 1, 8th Floor, Udyog Bhavan, Gandhinagar.
5.	Place, date and time for technical Presentation	The place, date and time for technical presentation will be given to the eligible bidders later on.
6.	Contact person for queries	Dr. Neeta Shah Director (e-Governance), Gujarat Informatics Limited neetas@gujarat.gov.in smitag@gujarat.gov.in

7.	Address for communication	Director (e-Governance), Gujarat Informatics Ltd. Block No. 1, 8th Floor, Udyog Bhavan, Gandhinagar E-mail: neetas@gujarat.gov.in, smitag@gujarat.gov.in Phone: 91-79-23256022, 59240 Fax: 91-79-23238925
8.	Place, date and time for opening of financial/commercial bids	The place, date and time for opening of financial/commercial proposal will be given to the technically qualified bidders later on.
9.	Bid validity	180 days

NOTE: Please note that this bid document is not for actual award of contract / work order but for Total Computerization (Application development, configuration, training and post implementation support) for GISS (Gujarat Integrated Statistical System) under GSSSP (Gujarat State Strategic Statistical Plan) of Directorate of Economics and Statistics according to the scope given in this bid document.

2. SECTION 2: INSTRUCTIONS TO BIDDERS

2.1. Definitions

2.1.1 "Applicable Law" means the laws and any other instruments having force of law in India from time to time.

2.1.2 "Proposal/bid" means proposal submitted by bidders in response to the RFP issued by DES for selection of Total Solution Provider.

2.1.3 "Competent Authority" means the Directorate of Economics and Statistics.

2.1.4 "Committee" means committee formed by the Directorate of Economics and Statistics(DES) for the purposes of processing and evaluation of this bid

2.1.5 "Contract Value" means the price payable to the selected firm/company under the Contract for the complete and proper performance of its contractual obligations.

2.1.6 "Total Solution Provider" means any private or public entity, which will provide the services to DES under the contract.

2.1.7 "Contract" means the Contract signed by the parties along with the entire documentation as specified in the RFP.

2.1.8 "Day" means Working day.

2.1.9 "Effective date" means the date from which the contract comes into force and effect.

2.1.10 "Government" means State Government of Gujarat.

2.1.11 "DES" means Directorate of Economics and Statistics, Gujarat.

2.1.12 "GSSSP" means Gujarat State Strategic Statistical Plan.

2.1.13 "GISS" means Gujarat Integrated Statistical System

2.1.14 "Rules" means the applicable rules under different statutes, Acts, Rules, Government Resolutions, Circulars in relation to personal management of employees in Gujarat Government.

2.1.15 "GIL" means Gujarat Informatics Limited, Block No.1, 8th Floor, Udyog Bhavan, Gandhinagar – 382 017, Gujarat.

2.1.16 "Personnel" means professional and support staff provided by the TSP and assigned to perform services to execute an assignment and any part thereof.

2.1.17 "Services" means the work to be performed by the TSP pursuant to the selection by DES and to the contract to be signed by the parties in pursuance of any specific assignment awarded to them by DES.

2.1.18 "Partial Go-Live" means 25% completion of solution means rollout of all the functionalities defined in the scope of work in selected 5 districts and at head Office, Gandhinagar (including all Taluka and villages of the selected Districts). .

2.1.19 "Go live" means completion of solution as per the complete scope of work and successful testing of entire solution in respect of at least one entry of each module. In case customization of all the modules is completed but the testing or actual use of the product gets delayed, third party may be appointed for certifying the same.

2.1.20 "Total Computerization" means to carry out Feasibility Study, Requirements gathering, data entry, Design and Development of Application Software, Implementation, Training and operations support

2.2. SOURCES OF FUNDS

Directorate of Economics and Statistics is calling the Total Solution Provider to Total Computerization (Application development, configuration, training and post implementation support) for GISS (Gujarat Integrated Statistical System) under GSSSP

(Gujarat State Strategic Statistical Plan) of Directorate of Economics and Statistics for Government of Gujarat across the state.

The Work Order will be placed to the selected TSP by Directorate of Economics and Statistics directly and the payment for the services mentioned in the said work order will be made directly by Directorate of Economics and Statistics from their own sources of funds as per the financial terms and conditions mentioned in this document.

2.3. Introduction

The Directorate of Economics & Statistics is the designated Nodal Agency of Government for gathering statistical data related to various facets of the economy. Compiling, consolidating and publishing statistical data is their major activity, they also conduct socio economic surveys; preparing estimates of State Domestic Product and co-ordination with various line HoD's for gathering statistical information.

2.4. Tender Process Flow

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│          Notice for inviting proposal            │
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│   Submission of Eligibility Document, Technical   │
│                 and Financial Bids                │
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┌─────────────────────────────────────────────────┐
│            Opening of Eligibility Criteria        │
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│      Opening of Technical Bids of eligible bidders │
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│  Evaluation of Technical Proposals & shortlisting │
│          of technically qualified bidders         │
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│   Opening of Financial Bids of technically        │
│                 Qualified Bidders                 │
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│     Intimation to Sucessful Bidder, Negotitation  │
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│  Issuence of Letter of Intent , work order and    │
│         sign contract with sucessful bidder       │
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2.5. Pre-Qualification Criteria

The bidders meeting the following pre-qualification criteria will be short listed and considered for technical evaluation.

Sr. No.	Pre-Qualification Criteria	Attachments
1	The bidder should be a company registered under the Companies Act, 1956 since last 5 years.	Certificate of incorporation
2	Bidder should be an established Information Technology Company/ IT System Integrator and should have been engaged in similar IT projects/solutions business for a period of at least five years as on 31.03.2013	Work Orders / Client Certificate confirming year and area of activity.
3	The bidder must have valid CMM / CMMI Level 5 Certification.	Valid copy of the Certificate
4	The bidder should have demonstrable expertise and experience in developing web based integrated IT solutions involving all the phases of SDLC (Software Development Life Cycle). The bidder must have completed at least 3 (Three) such Integrated IT projects involving all the phases of SDLC having minimum cost of Rs. 4Crore each.	The bidder must submit details of such projects undertaken along with clients' completion certification/letter.
5	The bidder must have turnover of at least Rs. 75Crore for each of the last three financial years as on 31stMarch, 2013 from Software/IT product Development and Support service activities. It should not include Hardware procurement projects.	Audited and Certified Balance Sheet & Profit/Loss Account of last 3 Financial Years. Also CA certificate mentioning turnover of Software/IT product Development and Support service activities
6	The bidder must give undertaking duly signed & sealed by Authorized Signatory that if this contract is awarded to them, they will employ all the resources with the necessary capabilities catering to different phases of SDLC, as defined in the scope of work. Resources needs to be Deployed at DES office at Gandhinagar.	Relevant undertaking must be part of technical bid.
7	Bidders should not be under a declaration of ineligibility for corrupt and fraudulent practices issued by Government of Gujarat and / or black-listed by Gujarat Government departments.	Certificate / affidavit mentioning that the Bidder is never been engaged in any corrupt & fraudulent practices and has never been black listed by any Gujarat Government Department.
8	Bidder should not have violated / infringement of any Indian or foreign	Certificate / affidavit regarding non-violation /

	trademark, patent, registered design or other intellectual property rights.	infringement of any Indian or foreign trademark, patent, registered design or other intellectual property rights.
9	The Bidder must have a valid Service Tax Registration in India.	Proof of a valid Service Tax Registration in India.
10	**For OEM:** "The Proposed Statistical software component (Analytics and/or Reporting Tools) (COTS) shall be supplied by the OEM and successfully installed and configured by themselves or through any of their channel partner(s) in three different Organizations with similar scope and complexity of DES. It should have adequate facilities and arrangement for support of solution for a period of at least three years. Out of three projects at least one project should be executed in India." **For Bidder:** The bidder shall have experience of at least one project of such COTS product in India. It is not necessary to have the experience of the same COTS proposed by bidder for this project.	The detailed functionality requirements are specified in 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 10.12 also needs to be filled up by the bidder.
11	The bidder should have a back-end support agreement/arrangement for services for BI tool (Analytical + Reporting) support with the Original Equipment Manufacturers (OEMs) for the entire project period.	The OEM undertaking letter (Annexure 10.9)
12	The proposed BI tool (Analytical + Reporting) shall be in Top 10 leader BI tool in Gartner magic quadrant.	
13	No Consortium will be allowed.	

2.6. Cost of Tender Document
The Bidder shall bear all the costs associated with the preparation and submission of its bid, and DES/GIL will in no case be responsible or liable for these costs, regardless of conduct or outcome of bidding process.

2.7. Content of Bidding Document
The Bidder is expected to examine all instructions, forms, terms and specifications in the bidding documents. Failure to furnish all information required by the bidding documents in format or submission of a bid not substantially responsive to the biding

documents in every respect will be at the Bidder's risk and may result in rejection of its bid.

2.8. Amendment to RFP
2.8.1 At any time prior to the deadline for submission of bids, DES/GIL may, for any reason, whether on its own initiative or in response to a clarification request, modify the bidding documents.
2.8.2 In order to allow prospective bidders reasonable time to consider the amendments while preparing their bids, DES/GIL at its discretion, may extend the deadline for the submission of bids.

2.9. Language of Bid
The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and DES/GIL shall be in English language.

2.10. Documents Comprising the Bid
2.10.1 The bid prepared by the Bidder shall comprise of the following documents:
    2.10.1.1. A Technical Bid and a Financial Bid
    2.10.1.2. Bid security
2.10.2 The technical Bid & Financial Bid must be submitted online through the e-tendering website http://gil.nprocure.com using digital signature.
    2.10.2.1. The bid documents and addendums (if any) together shall be considered as final and self-contained bid documents not withstanding any previous correspondence or document issued by GIL/DES.
    2.10.2.2. The bid security of **Rs. 35,00,000/- (Rupees Thirty Five Lacs Only)** and bid processing fee of **Rs. 25,000/-(Rupees Twenty Five Thousands Only)** are to be submitted physical in the form of DD (Demand Draft) favoring of **Gujarat Informatics Ltd, Gandhinagar** in sealed cover clearly mentioning that "EMD & Bid Processing Fee of the GISS Bid" at GIL on the address mentioned in Section-1**.**

2.11. Bid Form
2.11.1 The Bidder shall complete the Technical Bid and Financial Bid furnished with this document giving details as per the format mentioned in the e-Tendering website https://gil.nprocure.com. The bidder shall also complete the bid form as per section VI and submit it with the financial Bid on https://gil.nprocure.com.

2.12. Bid Prices
2.12.1 The Bidder shall indicate the prices in the format mentioned in the e-Tendering website https://gil.nprocure.com.
2.12.2 Following points need to be considered while indicating prices:
    2.12.2.1. The prices quoted should also include, inland transportation, insurance and other local costs incidental to delivery of the goods and services to their final destination within the state of Gujarat as indicated by DES/GIL
    2.12.2.2. The rates of any Indian duties, sales tax, service tax and other taxes which will be payable by the Client on the goods/ services (if any) if this contract is awarded, should be quoted separately,

2.12.3 The Bidder's separation of the price components will be solely for the purpose of facilitating the comparison of bids by DES/GIL and will not in any way limit the Client's right to contract on any of the terms offered.

2.12.4 Sharing of responsibility (between DES and the bidder) of procurement of various types of software shall be as under:

   2.12.4.1. **The prices quoted shall be inclusive of license software required for actual running of applications developed (i.e. User level Operating System and database other software required).**

   2.12.4.2. **DES shall procure or provide the required software platform at user level for running of products like User level Operating System, and system software etc.**

   2.12.4.3. **The TSP will develop and provide solution GISS to run any environment at the central side for Database management.**

   2.12.4.4. The price quoted shall be inclusive of Design, Develop, implement and maintenance as well as cost of all readymade (commercially available) application software packages and operation &maintenance support for the period of contract with required number of copies of the licensed versions/proposed for the purpose.

   2.12.4.5. Bidder is expected to fill the rates/amount for all items in Financial Bid format. However, in case, the bidder chooses to quote zero, nil amount or blank, it will be his risk and the same shall in no way restrict the scope of the work. Any rate quote field kept blank would imply that bidder is quoting zero prices for that item.

   2.12.4.6. The full IPR for the entire solution shall rest with the DES so far as roll out in other Government Organizations within India is concerned.

2.13. Bid Currency

Prices shall be quoted in Indian rupees only.

2.14. Bid Security - Earnest Money Deposit (EMD)

2.14.1 Earnest Money Deposit **Rs. 35,00,000/- (Rupees Thirty Five Lacs only)**in the form of DD in favour of "Gujarat Informatics Limited" payable at Gandhinagar.

2.14.2 Proposals not accompanied by EMD shall be rejected as non-responsive.

2.14.3 The successful bidder's bid security will be discharged from GIL only after the signing of the contract and submission of performance security.

2.14.4 Unsuccessful bidder's EMD will be discharged / refunded as promptly as possible, but not later than 30 days of the validity period of the bid.

2.14.5 The EARNEST MONEY DEPOSIT shall be forfeited:

   a) if a Bidder withdraws its bid during the period of bid validity
   b) in case of a successful Bidder, if the Bidder fails:
      i.   to sign the Contract as mentioned above or
      ii.   to furnish performance bank guarantee as mentioned above or
      iii. If the bidder is found to be involved in fraudulent practices.

2.15. Validity of proposal

2.15.1 Proposals shall remain valid for a period of 180 days (one hundred eighty days) after the date of financial bid opening prescribed in the RFP. A proposal valid for shorter

period may be rejected as non-responsive. DES/GIL may solicit the bidders' consent to an extension of proposal validity (but without the modification in proposals).

2.15.2 In exceptional circumstances, GIL may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The Bid security period provided shall also be suitably extended. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request will not be permitted to modify its bid.

2.15.3 Bid evaluation will be based on the bid prices and technical bid without taking into consideration the above corrections

2.16.   Preparation of Proposal

2.16.1 The proposal and all associated correspondence shall be written in English and shall conform to prescribed formats. Any interlineations, erasures or over writings shall not be valid.

2.16.2 The proposal shall be typed or written in indelible ink (if required) and shall be initialed on all pages by authorized representative of the bidder to bind the bidder to the contract. The authorization shall be indicated by Board Resolution/ Power of Attorney/ Letter of Authority (LoA) and shall accompany the proposal

2.16.3 In addition to the identification, the covering letter (Form 1) shall indicate the name and address of the bidder to enable the proposal to be returned in the case it is declared late pursuant, and for matching purposes.

2.16.4 The information submitted must be definitive and specific. Vague terms, incomplete information, counter offers, and 'uncalled for' correspondence shall not be entertained.

2.16.5 Alteration / Rewording / Deletion / Correction of any part in the Tender Document are not permitted. If found in any bid proposal, bid may be liable to be rejected without prior intimation to the bidder.

2.16.6 Bidder is required to submit the complete proposal along with required forms etc on https://gil.nprocure.com. The proposal shall be exactly according to the presented formats given on the https://gil.nprocure.com. The technical response should be concise. Any response not as per the specified format may be liable to be rejected. No marketing literature pertaining to the bidder should be enclosed along with the proposal. If enclosed, it may be treated as disqualification.

2.16.7 Committee would ask Bidder(s) for detailed presentations. All such presentations shall be at the cost of bidder.

2.16.8 The envelope of the EMD & Bid processing fee should be addressed to:
The Director (e-Governance)
Gujarat Informatics Ltd.
Block No. 1, 8th Floor,
Udyog Bhavan, Gandhinagar
Gujarat – 382010

2.16.9 The bidder is expected to examine carefully all instructions, forms, terms and specifications in the Tender document. Failure to furnish all information required in the Tender Document or submission of a proposal not substantially responsive to the Tender Document in every respect will be at the bidder's risk and shall result in rejection of the proposal.

2.17. Contents of Envelopes
2.17.1 Envelop 1: DDs of EMD & Bid processing Fees
2.17.2 Envelop 2: Documents related to Eligibility Criteria
2.17.3 Envelop 3: Documents related to Technical Bid

2.18. Submission, Receipt & Opening of proposal
2.18.1 Submission of Bids:
   a) The Bidder shall submit the Eligibility Bid, Technical Bid and a Financial Bid as per the format mentioned in the e-Tendering website https://gil.nprocure.com. The bidder shall also complete the bid form as per Form I and submit it with the financial bid on https://gil.nprocure.com.
   b) Telex, cable, e-mailed or facsimile bids will be rejected.
2.18.2 The Bidder's representative who is present shall sign an attendance register evidencing their attendance. In the event of the specified date of bid opening being declared holiday for the tendering authority, the bid shall be opened at the appointed time and location on the next working day.
2.18.3 The bidder's names, bid modifications or withdrawals, bid prices and the presence or the absence of requisite bid security and such other details as GIL, at his discretion, may consider appropriate, will be announced at the time of opening.
2.18.4 Bids that are not opened and read out at bid opening shall not be considered for further evaluation, irrespective of the circumstances.
2.18.5 Prices shall be quoted in Indian Rupees Only.

2.19. Opening of Bids by DES/GIL
2.19.1 DES/GIL will open all bids (only eligibility stage at the first instance), in the presence of all Bidders or their representatives who choose to attend, and at the following address:

> **Gujarat Informatics Ltd,**
> **Block no .1/8, Sector-11,**
> **Udyog Bhavan,**
> **Gandhinagar- 382010**

2.19.2 The bidder's representative who is present shall sign an attendance register evidencing their attendance. In the event of the specified date of Bid opening being declared holiday for DES/GIL office, the Bid shall be opened at the appointed time and location on the next working day.
2.19.3 The bidder's names, bid modifications or withdrawal, bid prices, discounts, and the presence or the absence of requisite bid security and such other details, as GIL, at its discretion, may consider appropriate, will be announced at the time of opening. No Bid shall be rejected at the opening, except for late bids, which shall be returned unopened to the bidders.
2.19.4 Bids and modification sent that are not opened and read out at bid opening shall not be considered for further evaluation, irrespective of the circumstances.
2.19.5 The technical bid of only those bidders who are matching the eligibility criteria will be opened and subsequently, the Financial Bids of only those bidders who qualify on the basis of evaluation of technical bid will be opened in the presence of the qualified bidders of their representatives at pre-specified time and date which will be communicated to the qualified bidders well in advance.

2.20. Clarification of Bids
During evaluation of bids, GIL may, at its discretion, ask the Bidder for a clarification of its bid. GIL may also ask for rate analysis of any or all items and if rates are found to be unreasonably low or high, the bid shall be treated as non-responsive and hence liable to be rejected. The request for a clarification and the response shall be in writing and no change in prices or substance of the bid shall be sought, offered or permitted.

2.21. Preliminary Examination
2.21.1 DES/GIL will examine the bids to determine whether they are complete, whether any computational errors have been made, whether sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.
2.21.2 Prior to the detailed evaluation, GIL will determine the substantial responsiveness of each bid to the bidding documents. For purposes of these clauses, a substantially responsive bid is one, which confirms to all the terms and conditions of the bidding documents without material deviation. Deviations from or objections or reservations to critical provisions such as those concerning performance security, Warranty, Applicable law and Taxes and duties will deemed to be material deviations. DES/GIL determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.
2.21.3 If a Bid is not substantially responsive, it will be rejected by DES/GIL and may not subsequently be made responsive by the Bidder by correction of the non- conformity.
2.21.4 Conditional bids are liable to be rejected.

2.22. Methodology & Criteria for Technical, Commercial and final evaluation
2.22.1. GIL/DES will form an evaluation Committee or it may be done by I.T. Committee which will evaluate the proposals submitted by the bidders for a detailed scrutiny. During evaluation of proposals, GIL/DES, may, at its discretion, ask the bidders for clarification of their Technical Proposals.
2.22.2. 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)
2.22.3. 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. 50% weightage would be given to the technical bid based on the following criteria:

Sr. No.	Particulars	Points System	Max. Marks
A. Organizational Strength			

Sr. No.	Particulars	Points System	Max. Marks
1.	Bidder should be an established Information Technology Company/ IT System Integrator and should have been engaged in similar IT projects/solutions business for a period of at least five years as on 31.03.2013	5=3 6-8=4 >8=5	5
2.	The bidder should have demonstrable expertise and experience in developing web based integrated IT solutions involving all the phases of SDLC (Software Development Life Cycle)	3 - 5 projects = 5 6 - 8 projects = 8 9 - 10 projects = 12 > 10 projects = 15	15
3.	The bidder must have turnover of at least Rs.75 Crores for each of the last three financial years as on 31stMarch, 2013 from Software/IT product Development and Support service activities. It should not include Hardware procurement projects.	Rs.75– Rs.150 Crores =3; Rs.151– Rs. 300 Crores =5; Rs. 301– Rs. 500 Crores = 8; >= Rs. 501 Crores = 10;	10
4.	The bidder must have valid CMM / CMMI Level 5 Certification.	CMM / CMMI level 5=5	5
5.	The bidder should have at least 100 full time IT professionals, involved in Project Management, System design, System analysis, software development & coding, Testing and on its own payroll	101– 150= 4 151 - 200 = 6 201- 250 = 8 >250 = 10	10
6.	Implementation experience of similar solution in offices in India, rollout of proposed solution in Central office or other office globally: - Bidder should clearly provide following - Work Done, outputs and outcomes - Experience details, - One page overview (including any testimonials by Competent officer of Customer) - Statistical packages deployed	3 - 5 projects = 5 6 - 8 projects = 8 9 - 10 projects = 12 > 10 projects = 15	15
		Sub Total (A)	60
B. Technical Solution Offered			
1.	Extent of Technical Compliance including various sections of the Bidders proposal, Table as in		05

Sr. No.	Particulars	Points System	Max. Marks
	Annexure 10.12, Presentations, Supporting Documentation, etc.		
2.	Bidders understanding of the current DES systems and processes clearly supported by an appropriate **work plan**. Bidder should clearly highlight the following in their work plan:- - Bidders understanding of DES - Key Requirements - Structure of DES as understood by bidder - Tasks and efforts - Project milestones and deliverables - Resource Deployment - Dependencies - Training and hand-holding support needs - Five year operational support		10
3.	Proposed Technical Approach and Solution structure addressing but not limited to the following items: - - 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 - Mobile/Tablet data collection tool at the field		10
4.	Team proposed by Bidder supported by resumes (The bidder has to submit proposed development team structure and on-going maintenance team structure with the role and responsibility description, as part of the bidder technical bid document.)		08
5.	Data Migration and other operational support aspects that will be required during the operational support period		04

Sr. No.	Particulars	Points System	Max. Marks
	(The bidder has to submit the data migration strategy with assurance of the creation of a trusted data source – DW)		
6.	Capacity Building - Training Program - Handholding Support and reinforcement		03
		Sub Total (B)	40
Technical Marks (TM) (A+B)			**100**
Minimum Qualifying Scores			**70**

Technical Bid Evaluation:
Technical Bid will be assigned a technical score (Tb) out of a maximum of 100 points. Bidders with technical score of 70 and above will qualify for the evaluation in the commercial process.

Note! Minimum absolute technical score to qualify for commercial evaluation is 70.

Technical Bid Evaluation:
The technical score of a bidder 'Tb' will be assigned to the bidder & it will be awarded based on the Technical Evaluation Criteria as specified above. DES's decision in this regard shall be final & binding and no further discussion will be held with the bidders whose bids are technically disqualified / rejected. Bidders with technical score of 70 and above will qualify for the evaluation in the commercial bids. The total technical scores achieved by the bidders shall be shared with the bidders & under any circumstances the breakup of the technical score shall not be shared with the bidders.

Tb: Absolute Technical Score
Tmax: Maximum Technical Score
Tn: Normalized technical score of the bidder under Consideration
Normalized technical score (Tn) = Tb/Tmax * 100

Financial Bid evaluation:
The financial bids of only those bidders, who have scored at least 70 marks in the technical evaluation process, will be opened. The Financial Bids will be opened, in the presence of Bidders' representatives who choose to attend the Financial Bid opening on date and time to be communicated to all the technically qualified Bidders. The Bidder's representatives who are present shall sign a register evidencing their attendance. The name of bidder & bid prices will be announced at the meeting. The financial score of a bidder 'Fb' will be assigned to the bidder. 'Fb' will be the total financial quote made by the bidder (excluding the Optional Services quotes sought in the financial bid)

Fn = normalized financial score for the bidder under consideration
Fb = commercial quote for the bidder under consideration
Fmin = commercial quote of the lowest evaluated financial proposal

The lowest evaluated Financial Proposal (Fmin) will be given the maximum financial score (Fn) of 100 points. The financial scores (Fn) of the other Financial Proposals will be calculated as per the formula for determining the financial scores given below:

Normalized Financial Score (Fn) = 100 x Fmin / Fb

Final Evaluation of Bid
Proposals will be ranked according to their combined technical (Tb) and financial (Fn) scores using the weights (T = 0.50 the weight given to the Technical Proposal; P = 0.50 the weight given to the Financial Proposal; T + P = 1). The final evaluation will be based on Final Score which shall be calculated as shown below:

Final Score (S) = Tn x T + Fn x P

The bidder achieving the highest combined technical and financial score will be invited for negotiations for awarding the contract. In case of a tie where two or more bidders achieve the same highest combined technical and financial score, the bidder with the higher normalized technical score will be invited first for negotiations for awarding the contract.

2.23. DES/GIL's Right to vary quantities of work at the time of award of contract
DES/GIL reserves the right to increase or decrease quantity of work by 25% without any change in the rate fixed or other terms & conditions, at the time of award of contract.

2.24. Award of Contract
On acceptance of Proposal for awarding the contract, DES/GIL will notify the successful bidders in writing that their proposal has been accepted and Contract Agreement will be signed. After signing of the Contract Agreement, no variations in or modifications of the terms of the Contract shall be made except by written amendment signed by all the parties.

2.25. DES/GIL's Right to Accept Any Bid and to reject any or All Bids
DES/GIL reserves the right to accept or reject any bid, and to cancel the bidding process and reject all bids at any time prior to award of Contract, without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected Bidder or bidders of the grounds for DES/GIL action.

2.26. Notification of Awards
2.26.1 Prior to the expiration of the period of the bid validity, DES/GIL will notify the successful bidders in writing, to be confirmed in writing by registered letter, that his bid has been accepted.
2.26.2 The notification of award will constitute the formation of the Contact.
2.26.3 Upon the successful Bidder's furnishing of performance security DES/GIL will promptly notify each unsuccessful Bidder.

2.27. Signing of Contract
2.27.1 At the same time as concerned DES/GIL notifies the successful Bidder that its bid has been accepted, DES will send the bidder the Contract Form, incorporating all the agreements between two parties.

2.27.2 Within 15 days of receipt of the Contract Form, the successful bidder shall sign and date the contract and return it to DES and send copy to GIL.

2.28. Performance Bank Guarantee

2.28.1 The successful Bidder has to furnish a security deposit so as to guarantee his/her (Bidder) performance of the contract

      2.28.2 The Successful bidder has to submit Performance Bank Guarantee @ 10% of project cost of financial bid within 15 days from the date of issue of Purchase order for the duration of warranty to be provided by any of Nationalized Bank as per the G.R. no. EMD/ 10/2013/ 107/DMO dated 06/04/2013 issued by Finance Department (The draft of Performance Bank Guarantee is attached herewith).

2.28.3 The proceeds of the Performance Bank Guarantee shall be payable to the Department as compensation for any loss arising from the bidder(s)'s failure to complete its obligations under the contract.

2.28.4 The Performance Bank Guarantee shall be denominated in Indian Rupees and shall be in following form:

A bank guarantee, issued by a public sector bank located in India to the Department, in the form provided in the bidding documents. Apart from public sector banks, a bank guarantee from only the following private banks will be accepted.

      a. IDBI Bank
      b. AXIS Bank
      c. HDFC Bank
      d. ICICI Bank

2.28.5 The Performance Bank Guarantee will be discharged by the Department and returned to the bidder(s) on completion of the bidder's performance obligations under the contract.

2.28.6 In the event of any contract amendment, the bidder shall, within 21 days of receipt of such amendment, furnish the amendment to the Performance Bank Guarantee, rendering the same valid for the duration of the contract, as amended for further period.

2.28.7 No interest shall be payable on the PBG amount. DES may invoke the above bank guarantee for any kind of recoveries, in case; the recoveries from the bidder exceed the amount payable to the bidder.

2.29. Confidentiality

Information relating to the examination, clarification and comparison of the proposals shall not be disclosed to any bidder or any other persons not officially concerned with such process until the selection process is over. The undue use by any bidder of confidential information related to the process may result in rejection of its proposal. Except with the prior written consent of DES, no party, shall, at any time communicate to any person or entity any confidential information acquired in the course of the Contract.

2.30. Cost of Bidding

All costs related to bidding shall be borne entirely by the bidder. Under no circumstances shall any queries / request for compensation in cases of rejection / disqualification etc. be entertained by DES/GIL.

2.31. Disqualification

DES may at its sole discretion and at any time during the evaluation process, disqualify any bidder, if the bidder has:

2.31.1 Submitted the Proposal documents after the response deadline.

2.31.2 Made misleading or false representations in the forms, statements and attachments submitted in proof of the eligibility requirements.

2.31.3 Submitted a proposal that is not accompanied by required documentation or is non-responsive.

2.31.4 Failed to provide clarifications related thereto, when sought.

2.31.5 Declared ineligible by the Government of Gujarat, or any of the departments in the Gujarat State Government, for corrupt and fraudulent practices or has been blacklisted at the time of submitting the bid.

2.31.6 Submitted a proposal with price adjustment / variation provision.

2.32. Binding Clause

All decisions taken by DES regarding the processing of this tender and award of contract shall be final and binding on all parties concerned.

3. SECTION III - ABOUT DIRECTORATE OF ECONOMICS AND STATISTICS

The Planning Division of the General Administration Department is in overall charge of functions relating to planning and statistics. Tasks of collection, compilation, analysis and dissemination of statistics are the responsibility of Directorate of Economics and Statistics (DES). This Directorate has been in existence (known as Bureau of Economics and Statistics in early years) ever since the formation of the State in May, 1960).

The organization structure in terms of various types of offices at different hierarchy levels are as shown below:
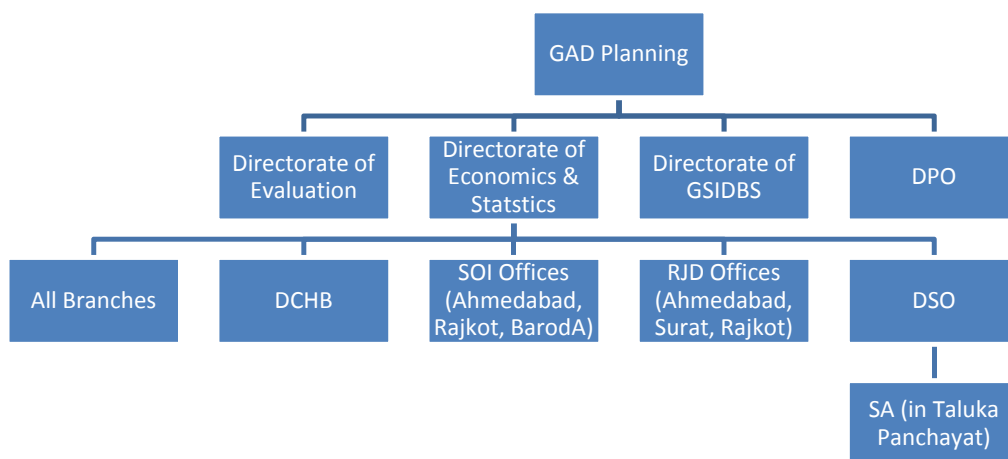
The Directorate of Economics and Statistics (DES) is the State's central statistical authority both for providing the statistical manpower to all the line departments and to guide and advise the state government and its different departments on matters relating to collection, analysis and dissemination of statistics.

Significant amount of data is also gathered, compiled and published by various line departments. Major among them are: Health, Education, Industries, Agriculture and Animal Husbandry, Labour and Employment. Many line departments generate huge data as a part of their normal activities and in relation to the development programmes executed by DES. A large proportion of these data appears to have been designed to meet the needs of apex level organizations for review and control and is not available in the public domain.

At present, the following departments are staffed with officers drawn from the DES:
- Animal Husbandry
- Forest and Environment
- Education
- Rural Development
- Health
- Industries& Mines
- Labour and Employment
- Transport
- Sales tax

- Co-Operation
- Tribal Development
- Directorate of Accounts and Treasury
- Social Justice and Empowerment
- Panchayat

3.1. Activities & Services of Directorate

The Directorate of Economics and Statistics is the nominated as nodal agency of Government for gathering statistics relating to various facets of the economy; compiling, consolidating and publishing such information; conducting studies and surveys of socio economic nature; preparing estimates of State Domestic Product; co-coordinating statistical activities undertaken by various line departments and providing necessary statistics for various line departments and agencies in the State.

3.1.1 District Statistical Offices:

The District Statistical offices at district level is charged with the responsibility of co-ordination of all statistical activities at the district level and of keeping liaison with the Directorate of Economics and Statistics, Gujarat. The main functions of the District Statistical Office is to collect, compile and disseminate important statistical information pertaining to the economy of the district, conduct socio-economic surveys as per DES guidance and provide statistical information to various district offices, committees, groups and the research institutions at district level.

The district and Taluka level staff of the District Statistical Offices are not only engaged in the field work relating to the surveys entrusted to them, but also in the collection of various types of data generated from other departments which is required by the Directorate of Economics and Statistics

3.1.2 SOI Offices:

At the regional level, the DES has three offices of Statistical Officers (Inspection) located at Ahmedabad, Vadodara and Rajkot. These offices conduct surveys for state sample for National Sample Survey [NSS], Government of India.

3.1.3 RJD Offices:

The Government of Gujarat has approved the setting up of three Regional offices, each governed by the Joint Director, at Surat, Ahmedabad and Rajkot. These offices are planned to ensure quality control over survey work done under their authority; ensuring smooth flow of statistics from the field to head office; direction and training of staff is their major concerned for s6tatistical activities. They are also projected to develop the quality of statistics generated at the root levels.

❖ Key Activities of Directorate:
1. Estimates of the State Domestic Product
2. Estimation of Fixed Capital Formation and Consumption Expenditure
3. Collection and publication of Price Statistics
4. Compilation of Estimates of Annual Survey of Industries
5. Collection, Compilation and publication of statistics relating to municipalities
6. Conducting surveys for the National Sample Survey

7. Gathering and compiling statistics relating to Economic Census
8. Compilation, analysis and publication of Traffic Census
9. Collection, classification, tabulation, analysis and presentation of data on various socio-economic aspects of the State in a systematic manner and dissemination of the same through periodic publications
10. Conducting sample surveys and other Adhoc field enquiries etc. on various aspects of socio-economic development
11. Coordinating the statistical activities of various departments of the State Government and rendering them technical guidance
12. Organization post recruitment training to statistical personnel.
13. Liaison with the statistical organizations of the Government of India and other State Governments.

❖ **Major Publications related to State Budget:**
- Socio Economic Review
- Budget in Brief
- Economic & Purpose Classification of the State Budget

The list of other publications is mentioned in Section 10.11.

Following chart shows different types of Information streaming from grass root level to HoD level:
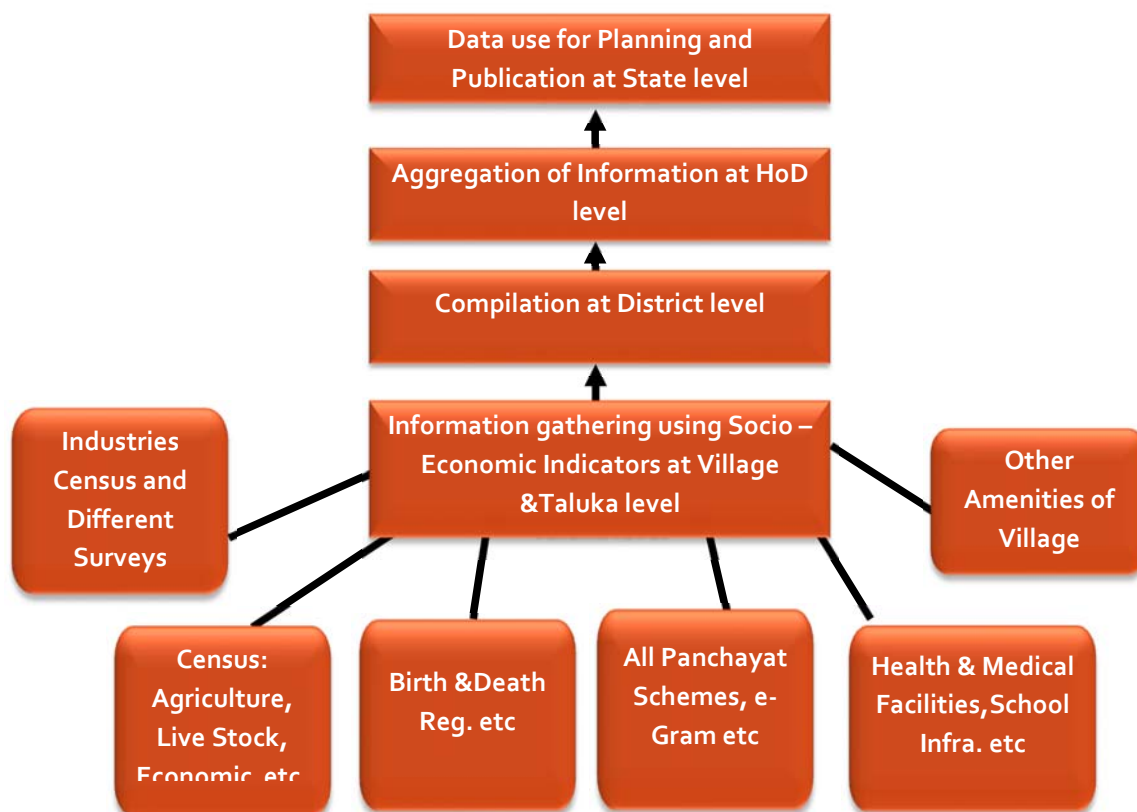
3.2.   Initialization of GISS

In pursuance of the recommendations of the National Statistical Commission, the Ministry of Statistics and Programme Implementation (MoSPI), GoI initiated the India Statistical Strengthening Project (ISSP) with the support of World Bank. The prime objective of ISSP is to strengthen the statistical system of the country. The ISSP envisages generation of credible and timely data for a wide range of statistics required for policy and planning at State and sub-state levels.

The State Statistical Strengthening Project (SSSP) has emerged from the India Statistical Strengthening Project (ISSP). The Government of Gujarat (GoG) agreed to participate in this project in April-2008.

❖ **Objective of GISS**
- DES 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).
- DES 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 DES.
- The information should be provided through well-organized standard reports or other electronic formats and also should be serviced by a web portal.

3.3. Existing System at DES

Currently, Directorate of Economics and Statistics use application IIP and WPI/CPI Applications for the generation of reports or publication. For generation of reports each branch uses MS Office depending on the report they require. However, the system should not have the prerequisite to have the MS Office. The existing applications shall be integrated with new system.

The current process flow for the branches is as follows:-
- The data is collected from concerned line department in hardcopy format on timely basis.
- This data is then entered in a tabular format (i.e. MS Excel) which is called statement.
- From this statement the report is generated manually.
- The report generated is finalized with the concerned department head.
- After the approval it is published.

The details of Applications are as below:

Sr. No.	Application	Front End	Back End	Database Size
1.	Index of Industrial Production (IIP)	PHP (CMS: Word press)	MY SQL	015MB
2.	Wholesale Price Index / Consumer Price Index (WPI/CPI)	PHP	MY SQL	
3.	National Sample Survey (NSS) Data Processing Software-Validation Software	Visual Basic	MS Access	177 MB
4.	National Sample Survey (NSS) – Tabulation Software	C++	Batch file	471 MB
5.	Traffic census Data entry & Reporting Software	Visual basic	MS Access	036MB
6.	Service Record Card(Training Branch)	Visual basic	MS Access	148 MB
7.	State Income Data entry & Reporting Software	Visual basic	MS Access	237 MB

3.4.   Challenges of current system:

- There is no integration of activities under one Single platform.
- The manual system takes lot of time for processing and periodic reports are created using MS office.
- Records are also maintained on paper or by major use of MS Office.
- Data is not entered at the data generation point due to which, the qualitative data is a big challenge
- Only branch specific wise data is available
- Similar data gathering from same line department from more than one branch of bureau, which reduces reliability of data.
- There is no data verification at entry level.
- There are approximately 190 types of formats used for data collection, which in turn increase duplication of work.
- Data collection procedure is manual due to which it is time taking.
- Manual co-ordination with their statistical offices and other line departments which increase time gap for generation of statistics.
- No provision of online data input from their statistical offices and other line departments
- There is no communication between various field offices due to lack of connectivity and proper applications each of the offices works as an independent unit.
- The reports at any given point of time are not readily available. Decision Support system is lacking.
- Publication which is the final output is delayed due to the above challenges.

3.5.   Need of Department of Economics & Statistics

- Full-fledged web portal with integration of the Statistical application and database.

- Access from all offices, including District, Taluka and Village location.
- Improvement in quality of data and data collection effort for digitization.
- Ensuring data authenticity and integrity.
- To provide Facility Management (at 26 district offices + 3 RJD Offices + 5 DES Offices + 1 Dir. Of Evaluation + 1 GSIDBS) + DCHB + DPO offices + TPO offices).
- Capacity Building and Training
- Integration through the GSWAN enabling the head office to extract the required information from the district & line department offices.
- Preparation of customized statements which can finally use for creation of publication.
- The application software modules to be developed by the successful bidder should support Gujarati, and English languages.
- Data verification required at field level.

3.5.1 **The objectives of having a computerized system for the DES are as follows:**

- Computerize the data collection process at the field and compilation, analysis, retrieval and storing of data at the central database
- To improve the availability, accessibility and use of expansion of data related to social and economic development human welfare in planning, monitoring, evaluation of development of activities and programs of the government.
- Enhancing the administrative capacity and organizational efficiency of the public administration system in terms of evidence-based planning, monitoring and evaluation of development programs and activities.
- Management of development data available from different sources in a manner that the development data available at the data center leads to information and knowledge related to social and economical development.
- Developing and institutionalization of a system of collection, analysis and dissemination of data related to social and economic development and human welfare so as to ensure timely availability of relevant and reliable data related to different components of social and economic development.
- Enhancing the capacity of the public administration system in the collection, storage, analysis and dissemination data related to social and economic development.
- Building the trust of the users of data in the official data related to social and economic development.
- Enablement to carry out process of efficient and effective planning, budgeting, monitoring.
- To develop a N-tire and integrated database system for DES which caters information system across the state and also to develop interfaces with other government departments to facilitate smooth sharing of information.

3.6. Important Features of GISS

GISS features are aimed at bringing about an improvement of statistical quality in the form of ensuring accessibility including timeliness; serviceability; accuracy and reliability; methodological soundness and assurance of integrity. The salient features of GISS are captured below:

- Improving co-ordination & management of statistical activities in State
- Human Resource Development

- Developing Statistical Infrastructure
- Investing in Physical infrastructure including IT infrastructure with Integrated Statistical System
- Improving quality of statistical operations
- Improving dissemination of statistical data

3.7. Highlights of Implementation of GISS
- Improve Work Environment
- Enhancing Skills
- Providing Equipment / Software
- Providing Mobility
- Conducting Studies & Surveys
- Providing Technical Expertise
- Increasing Awareness

3.8. Current IT Infrastructure and Network Architecture of Directorate and its offices

IT infrastructure details were captured during the As-Is study to understand the present level of IT preparedness at various levels at state, division, district and project site. The information thus captured will help to identify the level of automation and subsequently mapping the hardware and software requirement for rolling out the solution.

3.8.1 The current IT infrastructure is mapped at various locations:
1. Head Office   : Available
2. DPO   : Available
3. DSO   : Available
4. SOI   : Available

Executive Overview of IT Infrastructure for Directorate of Economics and Statistics & its offices							
DES offices	**No. of Location**	**IT Infrastructure at Glance**				**Connectivity**	
		Computers	**Printers**	**Scanner**	**PC's Out of Warranty**	**GSWAN Intranet**	**Internet**
DES Head Office	1	172	83	8	56	**YES**	NO
DSO	26	67	46	1	0	**YES**	NO
DPO	26	158	113	8	0	**YES**	NO
SOI Office	3	15	11	8	0	**YES**	NO
Total	**56**	**412**	**253**	**25**	**56**		

The official website Directorate is http://gujecostat.gujarat.gov.in which is static in nature, and being used for information dissemination. At present, the website provides information on Organization chart, various reports etc. and website is being maintained by GIL officials.

3.8.2 **Current Network Setup**
In existing Network setup, DES Head Office, DPO, SOI, DSO &Taluka offices are connected through GSWAN connectivity. Access to their current web portal is also through GSWAN. DES and its districts offices are not interconnected for data sharing and data backup process.
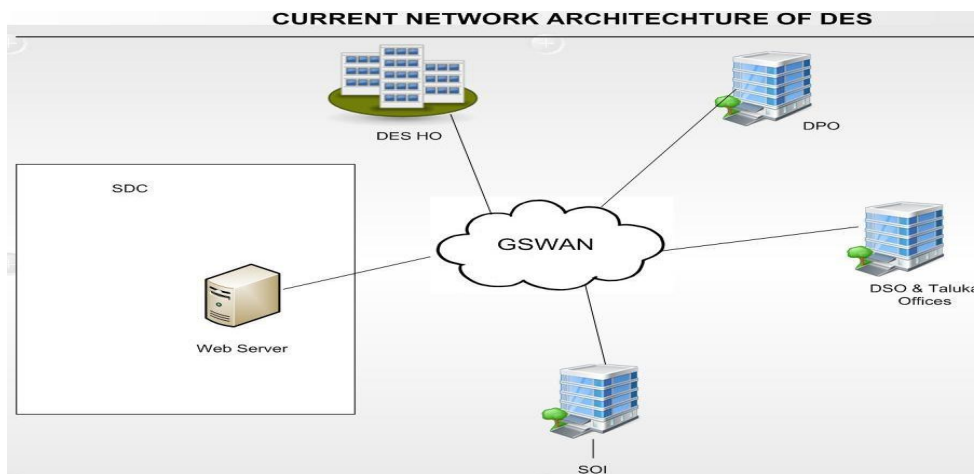
3.9.   Stakeholders expectation with respect to future vision of project
The importance of statistics for Planning, Monitoring and Evaluation is now well organized more than ever before. Accurate and up to date statistics are essential for obtaining correct picture of the State/Country's economic and social condition. Accurate and timely availability of require statistics from various stack holders is always a need of present statistical system.

Keeping all aforesaid points in view, it is supremely important to ensure the accuracy and reliability of various statistics and it is also very important to have a suitable IT solutions to get accurate and reliable data, in time data with lowest consumption of papers. The entire IT base system should be so developed that need of this apex statistical organization can be satisfactorily fulfill. Simultaneously, it is very requirement to reduce the cost of data by reducing time, manpower, resources etc. in the future.

The Directorate of economics and statistics is the nodal agency of the state to collect, compile and disseminate importance statistical information pertaining to the economy of the state. In order to achieve all the foresaid objects this institution should have IT base system well integrated with Line Departments and district offices.

4. SECTION – IV SCOPE OF WORK

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

4.1. Geographical Locations (Offices/Location to be covered for the Project):

DES offices	No. of Location
GAD (Planning)	01
DES Head Office	01
*Allied Offices, HoDs	03
RJDs	03
SO(I)s	03
DSOs	33
DPOs	33
Talukas	249
Line Department [Proposed]	20
Municipal Corporation	8
Municipalities	169
**Others (Approx.)	77
Total No. of Location	600

* GSIDBS, Directorate of Evaluation, DCHB
** Other agencies and offices of data collection may vary.

4.2. Total number of users
1. Viewers: N Nos. (Internet + Intranet)
2. Solution Users:

DES offices	No. of Location	No. of Users for Data capturing and generation of related reports	BI Tool (Reporting) users (Role based access mechanism)		Statistical Analysis Tools users		Dash Board User	User for Workflow Management System
			No. of User	No. of Concurrent User	No. of probable User	No. of Concurrent User		
GAD (Planning)	1	1	4	1	1	0	8	04

DES Head Office	1	60	30	15	15	6	10	72
*Allied Offices, HoDs	3	15	3	3	3	3	3	43
RJDs	3	6	3	3	3	1	3	12
SO(I)s	3	15	3	3	0	0	0	03
DSOs	33	66	33	7	0	0	33	00
DPOs	33	66	33	7	33	0	33	00
Talukas	249	249	0	0	0	0	0	00
Line Department including HoDs [Proposed]	20	80	40	10	0	0	20	00
Municipal Corporation	8	8	0	0	0	0	8	00
Municipalities	169	169	0	0	0	0	0	00
**Others (Approx.)	77	77	1	1	0	0	0	00
Total No. of Location	**600**	**812**	**150**	**50**	**55**	**10**	**118**	134

* GSIDBS, Directorate of Evaluation, DCHB
** Other agencies and offices of data collection may vary.
Note: - Number of Users is approximate. Actual number may vary. Final number of users may be determine during study phase in consultation with SI. The user may increase 10% every year.

4.3.   Study Phase
1.   To study present system & working of the HO & field offices of DES 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 TSP 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.
2.   To study the software application relevant to statistical data available in line departments and should provide interface with proposed system.
3.   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.
4.   Integration of any commercial off-the-shelf software packages that shouldbe procured as part of the proposed solution development (e.g. statistical package).
5.   To examine the legacy data (including formats, volume and feasibility of conversion) and decide on the migration path into the proposed new system.

Currently the data available in .xls, .rtf, .txt, .mdb, .pdf etc. Format. The legacy data require to be integrated with proposed system.

6.   The TSP would be required to prepare formal requirements on the basis of which SRS would need to be prepared & submitted for the approval before actual commencement of the solution development and its implementation.

7.   To carry out any mock or prototyping exercise that may be needed for ensuring feasibility and/or determining viability.

8.   As an extension to the above, study, re-engineer and design of secure web-based data collection facility of statistical data from various external departments in the Gujarat State & Govt. of India as provided in Scope of Work. The same shall be part of the SRS.

4.4.   Functional Scope

The main activities to be done by TSP for total computerization are as under. The state statistical system depending upon state socio-economic & statistical activity so the numbers of modules to be developed may increase or decrease as per timely requirement.

1.   Integration of system with statistical analytical software like SAS, SPSS etc. The BI tool (Analytical + Reporting) proposed by bidder should fulfill the requirement of DES as per scope of work.

2.   Development of modules for Collection, Compilation, Analysis of data pertaining to statistical indicators along with dataset/indicators/statistics from District, Taluka and village level offices and GoG Line departments

3.   Development of modules for different socio economic survey and collection of data using hand held device from field level.

4.   Storage of all the data coming from various applications as well as field in a data warehouse after formatting and applying data quality checks on the data

5.   Building analytical models using statistical functions

6.   Development of modules for calculation of various key process indicators (KPI) used at DES for statistical estimation & analysis. The list of indicators is given in Section 10.10.

7.   Development of various reports for various functions. Bidder has required to develop a dynamic module for generation of N no. of reports.

8.   Integration of Modules with GoG line departments and in-house branches of DES. The data from departmental applications may be given through web services.

9.   Automation / Integration of office activities and co-ordination.

10. Development of analytical reports and statements for DES Publications. The list of major publication is given in Section 10.11.

11. Integration with WPI and CPI modules which are developed and currently maintained by GIL.
    The concern branch is collecting online data from district level.
    Functionalities:-
    • Data collection of commodity prices on weekly basis from all 26 districts.
    • Price variation reports are generated on the basis of collected data.
    • The branch is deriving Index number from the collected data.
    Platform:
    • Front end: - PHP

- Back end: - My SQL
  URL:http://gujecostat.gujarat.gov.in/wpi/index.php
  The interface need to be developed by TSP to fetch the data from this application.

12. Integration with application **"Ayojan for Planning"** developed by NIC for activities carried out by District planning officer.
    IOJN 4 Planning web based application is developed for monitoring the activities related to developmental project under Decentralized district planning, ATVT and MPLAD fund allocated to District Planning Office at district level. The IOJN 4 Planning is developed by National Informatics Centre (NIC).
    Interface need to be develop by SI to fetch the data from the application.
    Functionalities: - Monitoring of various activities for decentralized District Planning.
    Platform:
    Front end:- DOTNET
    Back end:- SQL
    URL:- www.iojn.guj.nic.in

13. Integration with application Web Based Automatic Taluka Planning Atlas Generator being developed by BISAG.
    To establish a centre for spatial planning for the preparation of Village and district maps for Spatial Planning using GIS and remote sensing data by BISAG. The online data entry module and web based GIS system is being developed by BISAG. The village wise data of 304 item has been captured for 2 years (2010 and 2013).
    Functionality:-
    - Producing thematic Spatial plan for each village and Taluka.
    - Village wise and Taluka wise maps featuring facts of social and economic development.
    Platform:
    - Front end:- ASP.NET
    - Back end:- SQL Server 2008 R2

4.4.1 **Design and Development of the Software Solution**
- The TSP 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.
- Support for the software licenses from the date of purchase on the name of Directorate of Economics and Statistics, GAD, Gandhinagar and the support for application software starts from the date of Go-Live.
- The vendor shall ensure both GUI and command line interface.
- The proposed software solution should, as a minimum, support the following key aspects:-

1. **DEVELOPMENT OF WEB PORTAL**
   o Functionality including necessary interfaces for
     - State Government
     - Districts
     - NGOs
     - Educational institutions
     - Public

    o Interface for statistical data from various departments in the State & Govt. of India provided at Section 10.11.1 List of Line Department.

FUNCTIONAL REQUIREMENTS:
- Support interface for channels of information dissemination like website, e-mail, self-help kiosks.
- Broadcast information related to surveys, and new department operations and news.
- Language: English and Gujarati [local] language and would serve information as requested by DES.
- Able to retrieve different survey status from systems by Monitoring.
- Have the search facility for identifying the available indicators based on certain key criteria.
- To provide instructions to employees through an implementation of whiteboard for information display.
- To receive feedback from citizens, employees for better statistical analysis.
- GUI based client component for Ad-hoc analysis, reporting, statistical analysis and forecasting
- The web portal should be flexible enough to incorporate with the database of other Government departmental offices for fetching data and updating into existing database.
- Data Integration with built-in Data Quality
- Time series & Regression analysis of information
- Calculation of standard error & validation for survey of NSS.
- Interpolation and extrapolation of data
- Query based report generation for purpose of statistical estimation.
- Generation of reports for output of statistical indicators and analysis.
- Business Intelligence portal for delivering estimation, statistical analysis and socio-economic survey
- Common Repository of Technical metadata
- Whole web portal / web application would be bilingual [i.e English & Gujarati] and GUI based for easy understanding.
- One single metadata for end-to-end solution.

The information / functionality housed on the website would be required to encompass (but not be limited to) the categories as mentioned above.

2. **DATA ENTRY APPLICATION**
   Functional Requirements:
- Module would contain a secure Login for users with different credential and Validated Data entry module for Statistical data collection from Taluka, District offices and other line departmental offices of Government.
- The application should work in both online/ offline mode on hand held device. i.e. Data Should be stored locally when there is no connectivity and should be synchronized when connectivity is established.
- Provision of verification and edition of data for management.
- GUI based interface for data entry which should be easy for user to enter data with basic understanding of computer and should also pop up with error notification for interpretation.

- Application would incorporate efficient reporting for better monitoring. It will also maintain the beneficiary details.
- The data entry system should be in Gujarati and English Language only in one metadata format.
- The system should have automated Data Validation to ensure there isn't any Data Entry Errors.
- The offline system should automatically tracks, synchronizes, and manage the data being collected, without requiring any special effort by the Surveyors.
- System should automatically synchronize the data on daily basis after office hours.

A. Admin Section
This section should be privilege restricted and should have the facility to:
- Create, modify delete Users and Groups
- Assign and remove privileges to individuals and groups
- Administer restricted sections / Webpages

Selected pages may be password protected by a user login. The login accounts should be manually controlled to provide necessary access to a particular page or secured area of the website, based on following two factors:
- Type of User / Group
- Privilege assigned to User / Group

B. User Function
The following user groups shall be assigned for the web portal:
- Super User – IT Cell for Directorate
- Master Admin – 1 each with HoDs
- Regular Users – Field officials for survey and Supervisors at each levels
- Anonymous – Regular visitors to the portal

C. Available information and user options will vary on all pages throughout the site depending on page requirements and privileges assigned to the users.
- 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
- 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 TSP 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)

3. MODULES FOR DIFFERENT SURVEYS AND SYSTEM FOR MONITORING SURVEY
This section would contain a secure login for field executives for different socio-economic survey, and a monitoring system will be used for tracking and review of survey done on daily, weekly and monthly basis and which would be viewed by DSO, SOI and DES HO

officials as per credential. . Questionnaires of surveys in physical format will be provided by DES. Development of Data Entry modules with validation, report generation and data analysis, survey monitoring modules are to be developed by TSP.

Application: Data entry module for different Statistical Surveys with Validation

Purpose: To increase data integrity which is a big challenge for DES when different types of survey are done, the main purpose of this module is to verify and validated the data entered at root level from different departmental survey official.

Functional Requirements:
- Module would contain a secure Login for users with different credential and Validated Data entry module for Statistical Survey from Taluka, District offices.
- Should be able to track status of data entered for survey and number of records entered by official including data management system.
- Provision of verification and edition of data for management.
- The survey module should be deployed for both Offline and Online Data Entry.

A. Admin Section
This section should be privilege restricted and should have the facility to:
- Create, modify delete Users and Groups
- Assign and remove privileges to individuals and groups
- Administer restricted sections / Webpages

Selected pages may be password protected by a user login. The login accounts should be manually controlled to provide necessary access to a particular page or secured area of the website, based on following two factors:
- Type of User / Group
- Privilege assigned to User / Group

Available information and user options will vary on all pages throughout the site depending on page requirements and privileges assigned to the users.

4. BUSINESS INTELLIGENCE AND REPORTING SOLUTION

The bidder may propose two different tools for Analytics & Reporting. However, OEM of the proposed tools (both in case of two different tools proposed for Analytics & Reporting) shall be in Top 10 tools of Gartner Magic quadrant.

This section would contain a secure login for DES officials for Socio-economic analysis and different statistical estimation and calculation as per different methodologies defined. BI tool (Analytical + Reporting) should contain following features and functionalities

Application: Tool should allow generation of both graphical and tabular reports. It should allow adhoc querying capabilities without requiring knowing SQL. It should allow building KPI based monitoring dashboards.
Purpose: Preparation of socio-economic indicators for monitoring, statistical analysis and estimation.

- GUI based client component for Ad-hoc analysis, reporting, statistical analysis and forecasting.
- Data Integration with built-in Data Quality
- Time series & Regression analysis
- Correlation coefficient
- Calculation of standard error on the basis of NSS data for yearly surveys.
- Interpolation and extrapolation
- Generation of Adhoc reports for output of statistical indicators.
- Business Intelligence portal for delivering estimation, statistical analysis and socio-economic survey.
- Common Repository of Technical metadata

5. MIS FOR TOP MANAGEMENT

This would be extension of the "Dashboard" section for Directorate's top administration officials which would help them to generate various reports (MIS Reporting System) as well as manage their tasks. This section would be able to generate all kinds of MIS reports. This would be privilege restricted based on Role Based Access Control (RBAC).

6. WORK FLOW MANAGEMENT SYSTEM

It would enable each employee to view and manage their assigned tasks, based on their role and designation in the organization. A suitable escalation matrix would also be incorporated based on the SLAs defined according the following parameters:

1. Importance/Urgency
2. Severity of loss/damage
3. Level of escalation

7. INTEGRATION WITH OTHER DEPARTMENTALSYSTEMS

- Apart from Integration of data for Directorate and its district offices, the web portal / Web application system should be flexible enough to incorporate with the database of other State Government departmental offices for fetching data and updating into existing database i.e. Web interface or a module need to be developed by TSP for fetching the data from different databases of other departments.
- Integration with specialized statistical analytical & intelligence tools like SAS, SPSS
- In light of the above the most important features these applications should take care of are as follows:
    o User Friendly Design
    o 99.9999% uptime for the website
    o Robust Database and Disaster Recovery tools
    o Real time data monitoring and tracking.

Note: *This summary is a reflection of the Directorate of Economics and Statistics Conceptual Website. The proposed sitemap gives a brief snapshot of the website main sections and structure. The intent of this document is to provide the developer with a vision of what is to be accomplished. How these items are to be accomplished will be defined by the developer. The information / functionality housed on the website would be required to encompass (but not be limited to) the categories as mentioned above.*

4.5.   Data Collection
• The list of the Departments/offices from where DES collects data in Section 10.13
• Through web portal and web services the data would be available for data warehouse.

4.6.   Details of modules for DES for Integration
• The modules of all the branches of DES needs to be developed by TSP which includes data entry, integration and statistical analysis.
• The subject of surveys conducted at DES, changes every year as per guideline of Government of India. So, survey modules has to be developed in a way that it can facilitates this changing requirement or the modules/software solutions provided by GoI for data entry and tabulation should be integrated in this system as per the subject given by GoI.
• Final database of survey module developed by TSP every year should be integrated with proposed system.
• The list of branches is given in section 10.14. **Bidder shall refer "As-Is" document. The PDF of the same is attached herewith.)**

4.7.   Major Key activities of DES
• Estimates of the State Domestic Product
• Estimation of Fixed Capital Formation and Consumption Expenditure
• Collection and publication of Price Statistics
• Compilation of Estimates of Annual Survey of Industries
• Collection, Compilation and publication of statistics relating to municipalities
• Conducting surveys for the National Sample Survey
• Gathering and compiling statistics relating to Economic Census (Once in five Year)
• Compilation, analysis and publication of Traffic Census
• Collection, classification, tabulation, analysis and presentation of data on various socio-economic aspects of the State in a systematic manner and dissemination of the same through periodic publications
• Conducting sample surveys and other Adhoc field enquiries etc. on various aspects of socio-economic development
• Coordinating the statistical activities of various departments of the State Government and rendering them technical guidance
• Organization post recruitment training to statistical personnel.
• Liaison with the statistical organizations of the Government of India and other State Governments.

4.8.   Technical Details:
• Application type: Three tier mobile &web based application
• Technology Platform :- XML
• Back end Technology: Any
• Server OS Support: Any
• The bidder can use & bid for any proprietary database at server side and no specific user license required at client side. The details of such database software should be provided in Bill of Material and financial bid should be inclusive of the rate of such database licenses.
• Database should support all the functionality of the proposed solution.

- Bidder should supply genuine, perpetual and very cost effective Database licenses to fulfill proposed solution requirements.

4.8.1 **Additional facility to be provided by Total Solution Provider**
- TSP shall be responsible to provide the integration support of State Government Department.
- During the contract period of five years, the selected TSP shall be responsible to provide the platform for other departmental applications for fetching the master database and restoring and upgrading database in master storage (as and when required).
- Before deployment of the Software application supply & customized by TSP, TSP shall be responsible to get the application Tested through EQDC and Security audit of the application through CERT-In empanelled agency at their cost.

4.8.2 **Database Migration & Management**
- TSP shall be responsible for management of the database during the contract period. While rolling out the project, it is envisaged that historical data which is in physical format currently will be migrated onto the GISS platform beginning with 01/01/2013. The TSP will be responsible for capturing that data. The data digitization activity from 2001 to 2012 will be carried out separately. However, the screens / Modules required for data digitization activity to be provided by the TSP.

4.8.3. **Central Side IT infrastructure**
Successful deployment of application software modules have to be supported by the necessary hardware & Operating System & Software infrastructure for smooth functioning of the DES. The TSP should be responsible for providing the bill of material for hardware for functioning of the applications proposed in the scope of work considering the following performing benchmark at Central Site (State Data Centre (SDC) & Disaster Recovery (DR) Site):

Availability of System
i)   During peak hours (10:00 hrs to 18:00 hrs) -98%
ii) During off peak hours-99%
iii) Scheduled maintenance time-2am to 6am
iv) Frequency of scheduled maintenance: once/twice a month

1   Bidder should propose the required hardware at all designated locations in phase wise manner that during the period of 5 years. Proposed Bill of Materials should be in following format with detail specifications with quantity for central side H/W infrastructure for all designated locations.

2   Proposed Bill of Material quoted for Data Centre & DR Site

Sr. No.	Item	Technical Specifications	Quantity	Remarks (If any)

- Bidder may propose & add the hardware equipment as per the scope of work
- Proposed hardware should be latest and State of Art.
- <mark>Any authentication & monitoring tools/Software application required, bidders have to propose the same.</mark>
- The proposed solution will include UPS, switches, racks and power related infrastructures.

4.8.4 Operation & Maintenance Support

o The TSP has to provide the operation & maintenance for the period of 5 years.
o Resolution of errors/bugs (if any), software updates, changes in the software that may be necessary due to legal/statutory changes etc.
o Ongoing technical support for application
o Fine Tuning updates/patches reporting
o Fixing logical/run-time errors in the applications
o Development, Testing and Implementation for Bug-Fixes
o Generate reports on changes made in applications
o Generate reports on change requests given to support team
o System administration and database management support
o Development of new application release
o Deployment of new application on production servers
o Synchronize the application release in all application servers of DES, and Far DR
o Maintaining checklist for the status of deployment on all servers
o Monitoring & Reporting Server/ System performance

In addition to that, the TSP shall be responsible to design & develop all change requests without any extra cost to DES during the Operation & Maintenance period.

TSP bidder shall set up centralized helpdesk at DES (Gandhinagar) to log complaints of the users and issue the log ticket number and communicate the corrective measure. TSP bidder shall provide Customer support interface with online, telephone and on-site support, and other deliverables as described below. The space for helpdesk facility would be provided by Govt. of Gujarat.

The scope of services to be offered by bidder is detailed below:
- Provide warranty/on-site maintenance product, software that shall be supplied and installed under this procurement throughout the period of contract as per SLA and also provide warranty execution/onsite maintenance of the Database S/W.
- Undertake Performance Tuning and ensuring optimum performance of the equipment supplied.
- The support coverage shall be as per the service window mentioned in the Section – "Service Level".
- Provide manpower for operations, maintenance and onsite warranty support of all the existing and supplied items

Project Management Structure

The bidder needs to provide detailed Project Management Structure along with the required manpower for successful execution of project. The following are the details of the Project Management Services to be offered of Proposed Developed Application as defined in their respective Scope of Works:

- The objective of the Project Management Service is to provide a systematic approach to managing the project from inception through implementation for 5 year after Final Acceptance Test and finally delivery of the system / services.
- The project management involvement is throughout the entire project life cycle from Datacenter pre-planning, project kick-off, project inception, project design, Infrastructure implementation, deployment, FAT to project hand-over for operations and maintenance.
- **The bidder will put all his project development and execution resources at Gandhinagar at their own office. However for study and other requirement TSP will be provided three table space by DES. Whatever project related resources are indicated at the stage of evaluation of technical bid shall be assumed to be the project resource persons that bidder will put on the project.**
- Overall responsibility - To manage the Proposed Developed Application through to project delivery, implementation, customer acceptance and project closure.
- To setup and manage Project Management team consisting of all constituents who are involved in the roll out of the Successful implementation
- To enforce work process structure and methodologies to enable the project team to perform their tasks effectively
- Central tracking of all project status from inception to production
- To manage project plan schedules for timely delivery for all activities as mentioned in bid
- To manage Customer's expectations and communications
- To manage quality, issues and change and escalations of implementation
- To identify project variances and steps to be taken to recover to the project plan
- Reporting – To provide timely and accurate updates, reports and escalations to Directorate of Economics and Statistics and its designated Agency's senior management on the health of project delivery operations.
- To manage different Partners for the delivery of the project
- To highlight technology risks and red alerts, if any.
- To plan for live operation of the proposed systems
- To manage the deployment of the new systems
- To organize project reviews and evaluation
- To gather and manage project documentation
- To obtain sign-offs for project deliverables

TSP will be expected to work jointly with Directorate of Economics & Statistics, GoG & its designated agency:

To carry out the above mentioned activities under Support services and Management and to adhere to uptime and SLA in the Bid, TSP shall provide the necessary Manpower.

4.9.   Help Desk
- The TSP has to provide central help desk support for the contract period of 5 years(Helpdesk support may be provided by the 5 technical manpower providing by TSP at DES)
- Central Helpdesk will be located at the DES (Gandhinagar) & the Helpdesk shall be operational 10:00 to 6:30.
- All problems/issues faced by officials need to be solved through helpdesk.
- This provision is in addition to the help desk support that TSP will provide at the time of application roll out when TSP will set up training cum help center on a rolling basis across line departments and offices. During the roll out phase, TSP will set up **three teams** of mobile Help Desk teams each comprising of four members each who will train user dept. officers in use of GISS application.

4.10. Language of the Product
- o The solution to be developed by the TSP should support be bilingual. i.e. Gujarati and English languages. The user facing/ reporting layer should support Unicode.

4.11. Project Phases:
Stage 0: Learning Phase
- The entire developer team will be given 3 days long crash course in understanding DES processes at DES office.

Stage I: Design Phase
- Document existing processes Levels of DES, field offices & line department etc.
- Propose process Levels, based upon benchmarking / opportunities for improvement of processes.
- Identification of Business Process Reengineering requirement to achieve the proposed service levels, including legal changes required in processes.
- Documentation of To-Be Process maps in line with the BPR proposed of processes.
- Design the User Requirements Specification.
- Capacity Building / Training Plan
- Prepare System Requirement Specification (SRS) for application development
- Design the Change Management Plan
- Design and seek approval of the implementation Strategy from DES prior to the commencement of the implementation plan
- Design & documentation of Hardware, network architecture & other infrastructural requirements, based on applications to be developed and submit Bill of Material to the DES which will be procured by DES separately.

Stage II: Implementation Phase
- Software development, integration, testing& Deployment
- Project monitoring and progress reporting to the DES on regular basis.
- The project will be implemented in phases. The phases will be split for different modules and for different categories of surveys involved.

- Complete employee wide and entire solution wide roll out will be started within 3 months of award of contract and then completed in a years' timeframe once it is started. The TSP will work with DES to develop project implementation schedule immediately after the award of work order and will complete the schedule within a month's time.

Stage III: Application Testing and Project Go-Live
- Development of UAT procedures and test cases
- Provide Central database software or any other software needs to run the solution.
- Bug fixing and incorporate feedback from Users.
- End User Training
- Rollout/Implementation of Application across all the locations mentioned in the geographical scope.
- Interface with front end delivery centers for application Go-Live
- Application Testing through EQDC and Security audit of the application through CERT-In empanelled agency.
- **Training and Implementation Facilitation**
  o The Department desires that the capacity and capability, so developed system should be of industry accepted standards that is achieved with effective training and hand holding.
  o As regards the training of users, the administrative level training should be given to approx. 20 Users and the User Level training will be given to approx. 800 users.
  o The training needs to be arranged at Regional Level. i.e . Ahmedabad, Rajkot, Baroda, Surat and Gandhinagar
  o 3 days for a normal user level
  o 15 days for Admin User at Gandhinagar
  o All the logistic and travel arrangements of TSP's representative will be arranged by TSP. However the Department will provide the facility to their own employees. The training hall and other arrangements will be done by DES.

Stage IV: Post Implementation – Warranty and Support
- TSP will be responsible for providing support, in terms of product support, during contract period from the date of Go-Live of the application software and successful integration with the DES portal. The application infrasture will be placed at GSDC, Gandhinagar. Bidder may proposed the support window coverage FMS team at DES for proposed solution. It includes only FMS team for application not for hardware and network.
- Depending on the size of the organization, a facility management team may span accordingly, No. of proposed FM officials is as follows

Site Location	No. of FM Officials
Central Location DES-HO	5
Business Analyst	2
District offices	33
Total	**40**

The no. of officials is indicative only. Bidder may decide based on the scope of work.

The business analyst should be Post graduation in Statistics/econometrics with minimum 5 years' experience in the field of Statistical Modeling/Econometrics, Statistical Estimation and testing.

4.12. Details of the activities
4.12.1 Documentation
The TSP shall prepare all necessary documentation for the project, and provide them to the DES for review, approval, record, reference etc as mentioned in this RFP. ***The following is the list of deliverables (but not limited to) in the form of documents to be submitted by the TSP in the course of project implementation.***

- Detailed Project Management Plan
- Work break down structure
- Critical path document
- As-Is process Report for all the processes of services.
- Business Process Re-engineering report for the all the services of DES.
- To-Be process map based on the BPR report.
- User Requirement Specification documents for all the selected processes.
- Functional Requirement Specifications
- System/Software Requirement Specification (SRS) document containing detailed requirement capture and analysis including functional requirement, data flow, workflow based on the BPR report, interface specifications, application security requirements.
- High Level Software Design document including Software Architecture design, Logical and Physical Database Design etc.
- Low Level Software Design document including Programming Logic, Workflows etc.
- Software Testing Documentation (including details of defects/bugs/errors and their resolution)
- Test Plans and Test cases (including Unit Test Plan, System/Integration Test Plan)
- User Acceptance Test Plan, Security Test Plan, Load Test Plan)
- Software Configuration Management Plan
- Integration Plan with other applications
- Integration Test cases & results for applications developed
- Complete Source Code with documentation.
- Inspection and testing procedures manual including QA Policy as per EQDC Test Plans and Test cases (Functional testing, Volume testing, Stress/Load testing, Usability testing, Performance testing, Security testing, Facility testing, Configuration testing, Recovery testing, Documentation testing, Procedure testing, Install ability testing, Storage testing, Serviceability testing)
- Details study report for the requirement of IT Infrastructure and deployment architecture specification plan based on the application developed.
- Security Level Design Document & implementation of Security policy

- Risk Management Plan
- Business Continuity and DR Plan
- IT Service Management Plan
- Training Manuals and literature
- Systems Administration Manuals
- User manuals
- Installation Manuals
- Operational Manuals
- Maintenance Manuals
- Periodic Status and Review Reports
- Escalation Mechanism
- Exit Management Plan including the interim take over strategy and plan

4.12.2 Change Management

Introducing any change needs to consider the impact that change will have on all stakeholders – both within and outside the directorate. It is therefore necessary, for the TSP, to formulate a change management strategy that encompasses the requirements of the end user and the employees. The TSP should ensure that change management starts from the project planning stage and continues throughout the life of the project. It is essential to understand that change management is not a onetime activity. It is a continuous activity propagating to complete life of the project and touching all the stakeholders involved in the project

The Change Management Plan suggests the key strategies needed to address the aforementioned change implications having highest impact.

The developer team shall have to prepare a draft change plan which it will present to the project team in DES for approval. After incorporating changes proposed by the DES, the developer team shall operationalize the change management plan. The basic contours of the plan have:
- Training to line department employees
- Training of software support professionals from GIL or DES
- One day training for each of the departments / HOD offices during rollout

4.13. Proposed timelines for Implementation

Activity	Completion Timelines (in Weeks)	Deliverables
Phase I – Design & Development of Software		
Project Initiation & Team Mobilization	T	Detail Project Plan Submission Detail of Resource to be deployed
Design & Development of Solution (Partial Go-live)	T1= (T + 12)	AS-IS report Submission Business Process Re-engineering Report Submission

Activity	Completion Timelines (in Weeks)	Deliverables
		To-Be report (For all the modules already developed by other agencies and also the to be developed by TSP in the Conceptualization report) Submission FRS Submission SRS Architecture & DB design Report Submission Deployment Plan Submission
First Phase Testing, UAT& Training	T2= (T1+12)	Test Cases (DES will provide data for test cases) Test Reports UAT Sign-off Certificate (Administrative & Technical) will be given by the DES and GIL.
Roll out	T3 = T+24	Implementation for DES as a department, and no. of location given in geographical scope
Phase II – Go-Live		
Go-Live	T4= (T3 +8)	Certificate of successful integration; Go live is stage when all modules have been integrated. Go live timeline will count only solution and Testing is complete.
Final Stage Testing	T5 = (T4 + 16)	Testing of complete application, bug fixes, one full set of reports in respect of one test case
Phase III - Operation & Maintenance Support after Go-Live		
Warranty and Operation & Maintenance Support after Go-Live	T6 = (T4 + 5 Year)	Monitoring Framework, Escalation Reports, and Reports with details of Support / Warranty Activities carried out.

Note: T - Date of Award of Contract.

5. SECTION V: SPECIFICATIONS

5.1.   Acceptance Criteria

The primary goal of Testing and Acceptance would be to ensure that the project meets requirements, standards, specifications and performance prescribed in the RFP document, by ensuring that the following are associated with clear, quantifiable metrics for:

- accountability:
- Performance
- Availability
- Security
- Manageability
- Standards and Protocols

The project would be designed to meet all functional, non-functional and management requirements as mentioned in the RFP document.

For each of the project requirements, there are operational requirements, deliverables and a set of standards, wherever applicable as per the following:

5.1.1 Performance Criteria

Performance would be that aspect of service, which would be measured in terms of throughput and latency. Higher throughput and lower latency values would represent good performance of a service. Throughput would represent the number of service requests served per unit time. Latency would be the round-trip time between sending a request and receiving the response.

5.1.2 Availability Criteria

High Availability would be a key requirement. The applications must provide department officials with timely, continuous access to information 24X7. The log files of the applications must also be able to rebound or recover from any planned or unplanned system downtime, ensuring a minimal impact on the operations. Availability would be the quality aspect of whether the service is present or ready for immediate use. Availability represents the probability that a service is available. Larger values represent that the service would always be ready to use while smaller values indicate unpredictability of whether the service will be available at a particular time. Also associated with availability is time-to-repair (TTR). TTR would represent the time it takes to repair a service that has failed.

5.1.3 Security Criteria

Security would be the aspect of the service of providing confidentiality and non-repudiation by authenticating the parties involved, encrypting messages, and providing access control. The applications can have different approaches and levels of providing security, depending on the service requester. Security requirements such as single sign on, encryption of passwords, logs etc. is a must.

Directorate of Economics and Statistics' application security will be of utmost priority. The forms should be protected from improper data input, both in the user's browser and

at the remote server. The e-mail addresses presented on the website should also be protected with anti-spam measures. Databases should be secured via username/password protection and potentially sensitive information should be secured using industry-standard encryption algorithms. The data should be encrypted at DB Layer. All data shall be secured. The access will be given based on the role based access policy. The super user access application data from back end. It is required to keep audit logs outside.

The bidder has to ensure the following points while developing the solution:
a) The development process and the vendor must "preferably" follow Secure Software Development Life Cycle (SSDLC)
b) **Security Design Review -** identify vulnerable designs at the planning stage.
   i) Vulnerabilities injected during design and requirement gathering activities are reviewed.
   ii) Design must include audit traps for the application
   iii) Design must also include frameworks for application security monitoring
c) **Vulnerability Management -** reduce the number of vulnerabilities, a continuous, periodic process
   i) Black box VA both system and application (included in both the docs)
   ii) Configuration Audits, where the engine logs and generates compliance reports (partially included)
   iii) Code review, specially of the framework used and critical data paths. (inadequately covered)
   iv) Manual review and unit testing of applications for security flaws
   v) The above process should be executed periodically or at every upgrade of the code or engine.
d) **Threat Management** - detecting attacks after the setup goes live, threat management should include
   i) Intrusion detection and prevention
   ii) Attack and system log correlation - logs to be collected from all servers and application servers
   iii) Real-time integration of threat intelligence
   iv) Continuous integration and customization with the environment
   v) 24x7 support and analysts to evaluate threats
e) **Application Security Monitoring - identifying** threats to the applications that receive the maximum hits
   i) Integrating the application security events in the threat landscape
   ii) Integrating security infrastructure with application risk data
   iii) Building correlation rules for application infrastructure
   iv) Periodic review of accuracy and related reporting
f) **Incident Handling** - evaluating threats and handling events
   i) Continuous threat handling, identification of attacks and finding remedial solutions
   ii) Recovering from compromise and providing root cause analysis
   iii) Developing incident handling procedures.

5.1.4 **Manageability**

Manageability needs to be a crucial aspect of Directorate of Economics and Statistics' applications and website. The Implementation Partner - TSP has to ensure that the

solution deployed has adequate monitoring and tracking features for measuring the utilization and availability of resources. This includes:
- Remote Monitoring of Status and Statistics of all high-level components
- Management capability to start/ stop/ restart services and systems
- Auto discovery of all other system components
- Ability to track changes in configuration of the system components to help track service
- System disruptions

5.1.5 Standards & Protocols
- The project should be completed as per the standards and protocols applied for Development hosting and maintenance of an automated system.
- The solution should be IPV6 Compliance.

5.2. Development Criteria
The deliverable components of this RFP include:
- A web-based system by which Government official can find comprehensive information about the initiative including organizational structure, roles and responsibilities, supporting documentation, downloadable files, and ongoing management.
- Development of comprehensive GISS application through which accomplishes all the tasks as mentioned in the scope of work including the DSS and MIS reports. The bidder has required to develop a dynamic module for generation of N no. of reports.
- The design, looks, and feels of the User Interface as approved by the DES.
- A relational database(s) to be used for application management, site maintenance, calendaring and activities, and related documents.
- A system to control user access privileges. Granted privileges are based on roles and responsibilities including site administration and content management, calendar, activities, and document maintenance.
- Monthly or on demand reports/queries showing statistics.
- Monthly/Quarterly report on product up-time hosted at the Data Centre

5.2.1 Development Control
The bidder must use all reasonable care to protect the integrity of the product during development. Use of a version and library control tool is desired. The bidder must describe the development environment to be used.

5.2.2 Project Management & Project Plan
The bidder must provide an experienced Project Manager to oversee the development of the software applications for GISS and should serve as primary point of contact for the Directorate of Economics and Statistics. The bidder must follow an established Project Management methodology conforming to the best practices of the Project Management. The bidder must describe the methodology to be used.

During the Technical Presentation, the bidder must provide the DES with a detailed Project Plan for the development of the DES application. This Project Plan must include

at minimum the Project Charter, a work breakdown structure showing all proposed milestones and deliverables, and a listing of all project issues and risks.

5.2.3   Status Reports
The bidder must provide 15 days status reports to the DES during the development effort. These reports must be submitted by close of business on each 1st and 16th of the month and must reflect status against the Project Plan as of close of business on 30th/31st and 15th. Any falsification of these status reports or failure to inform the DES of issues impacting the deliverables or timeframe of the project may result in cancellation of the contract.

5.2.4   System Defects Correction
The bidder must respond to all reports of system defects for the duration of the contract. The bidder must correct all "Critical severity" problems (system not functioning, no workaround) within 6hours; all "Medium severity" problems (system not functioning, workaround available) within two business days; all "Low severity" problems (not impacting basic functionality) within five business days.

5.2.5   Version Control & Bug Fixing
The bidder must make any modifications necessary for the duration of the contract to ensure that the system is compatible with current and supported versions and releases of the relevant operating system and other system software.

5.3.   Hosting Criteria
The bidder must work with the DES to provide a detailed implementation plan, including but not limited to, orderly process of inventory, version control, and load all application materials, assignment of user rights and security, and verification of correct functionality. The bidder must present an implementation plan to the DES for their approval by the beginning of the test period.

It is proposed that the product would be hosted in State Data Center, as per provisions provided by Department of Science & Technology, Gujarat; however the final decision regarding the primary site for hosting would rest entirely with the DES. However, the bidder shall be responsible to set up the Help Desk. The help desk will be set up at Gandhinagar as DES may decide.

5.3.1   Availability
The product must be available as per the Service levels defined. The bidder must state how that availability is to be provided, including all measures. The bidder must show the ability to report availability to DES on a quarterly basis, and must indicate how availability is to be verified.

5.3.2   Accessibility
The DES applications must meet the standards for software application. The bidder must test the applications with a commercially available accessibility monitor, and with a leading accessibility tool, if necessary.

5.3.3 **Security**

The bidder must take rigorous provisions to prevent unauthorized alteration or damage to the product and all related modules and databases. The bidder must describe in detail all measures to be taken, including the use of firewalls, monitoring for intrusion detection, etc. The bidder must also specify the dependencies, if any, in achieving the desired level of security.

(NOTE: This information will be kept confidential.)

5.3.4 **Backup & Recovery**

The bidder must provide and successfully test backup and recovery capabilities for the applications and related databases. The bidder must describe this functionality, and the frequency of backup.

5.3.5 **Uptime & Performance**

The bidder must provide sufficient provisions to ensure that product's all functionality, including data access, file downloads, and online transactions is performed within commercially acceptable response times. The bidder must state the capacity that will be available for the applications, and what tools and techniques will be used to continuously monitor application performance.

5.4.   Access Control and User Authentication:

The bidder must prepare the access control & User Authentication policy and get it approved by DES. The bidder shall be responsible to provide access control & User Authentication management during the period of contract.

6. SECTION VI: PAYMENT TERMS

6.1.   Payment Schedule

Sl. No.	Activity	Payment (%)
1	**Design and Development of Solution**	
	After successful completion of the 25% Development and UAT	30% payment will be released
	After completion of EQDC Testing & Security audit by CERT-In Empanelled security auditor and roll out of solution	40% payment will be released
	After successful deployment on the user platform and Go-live of the complete GISS solution.	25% payment will be released
	3 Months after successful deployment of the user interface and go live subject to rectification of bugs and errors or deficiencies as brought out	5% payment will be released
2	Cost of the BI tool (Analytical + Reporting), database & other licensed software required at Central & DR Site.	100% - Payment of BI tool (Analytical + Reporting), database & other licensed software required at Central & DR Site shall be made at the time of procurement. However, TSP will procure the required license software after approval of completion of the Conceptualization, As-Is, BPR and To-be, URS, SRS or before starting of Development. Also, TSP has to submit the Bank Guarantee of the order of 100% against the payment of Licensed software over and above Performance Bank Guarantee. It will be released after the Go-Live of the System.
3	Operational & Maintenance support for Customized Solution, BI tool (Analytical + Reporting) & data migration during the contract period of 5 years from the date of Go-live	Will be paid Quarterly after the end of each quarter.
4	Operational & Maintenance Database and other software needed to support the application during the contract period of 5 years from the date of Go-live	Will be paid yearly after the end of each year.

6.2. Payment Procedure

6.2.1 The DES/GIL shall certify actual implementation. The TSP has to ensure proper hand-holding & support of the system.

6.2.2 TSP shall raise the component wise invoice as per the milestones achieved as mentioned above in the payment schedule & submit the invoice to DES.

6.2.3 DES/GIL shall verify the Invoice raised against the milestone achieved by TSP then DES shall make the payment.

6.2.4 The TSP's request(s) for payment shall be made to DES along with the 2 original copies of invoice and necessary documents. The invoice should be English / Gujarat based.

6.2.5 Payment shall be made in Indian Rupees. While making payment, necessary income tax and service tax deductions will be made.

7. SECTION VII: SERVICE LEVEL AGREEMENT (SLA) & PENALTY CLAUSE

The purpose of this Service Level Agreement (hereinafter referred to as SLA) is to clearly define the levels of service which shall be provided by the TSP to DES for the duration of the contract for providing GISS Applications, Training, Maintenance and Warranty support against the stated scope of work. DES/GIL shall regularly review the performance of the services being provided by the TSP and the effectiveness of this SLA.

7.1. Definitions

For purposes of this Service Level Agreement, the definitions and terms as specified in the contract along with the following terms shall have the meanings as set forth below:

- "Uptime" shall mean the time period for which the specified services / components with specified technical and service standards are available to DES and users. Uptime, in percentage, of any Central IT component can be calculated as:

  Uptime % = (uptime) / (Total Time – Maintenance Time) * 100

- "Downtime" shall mean the time period for which the specified services / components with specified technical and service standards as per SLAs are not available to DES and users and excludes the scheduled outages planned in advance for the DES central IT infrastructure.

- "Incident" refers to any event / abnormalities in the functioning of DES specified services that may lead to disruption in normal operations of DES services.

- "Response Time" shall mean the time taken (after the incident has been reported at the concerned reporting center), in resolving (diagnosing, troubleshooting and fixing) or escalating to (the second level, getting the confirmatory details about the same and conveying the same to the end user), the services related troubles during the first level escalation.

- The resolution time: the resolution time is the time taken for resolution of the problem and this includes provisioning of the work around to immediately recover the situation. The resolution time shall vary based on the severity of the incident reported.

7.2. Categories of SLAs

This SLA document provides for minimum level of services required as per contractual obligations based on performance indicators and measurements thereof. The TSP shall ensure provisioning of all required services while monitoring the performance of the same to effectively comply with the performance levels. The services provided by the TSP shall be reviewed by DES against this SLA. The TSP shall:

- Discuss escalated problems, new issues and matters still outstanding for resolution.
- Review of statistics related to rectification of outstanding faults and agreed changes.
- Obtain suggestions for changes to improve the service levels.

The following measurements and targets shall be used to track and report performance on a regular basis. The targets shown in the following table are applicable for the duration of the contract.

7.2.1 Implementation related penalty of service levels

7.2.1.1. Development of Solution

These SLAs shall be strictly imposed and a software audit/certification shall be carried out at the sole discretion of DES for certifying the performance of the applications against the target performance metrics as outlined in the table below:

Service Category	Target	Severity	Penalty
Successful completion of Software of all the modules.	As per delivery Schedule	Critical	A Penalty of 0.5% of contract value of Software per week delay.
Testing & UAT of all the modules.	As per delivery Schedule	Critical	A Penalty of 0.5% of contract value of Software per week delay.
Product Training & Handholding Support of all the modules.	As per delivery Schedule	Medium	A Penalty of 0.5% of contract value of Software per week delay.
Commissioning & Go-Live	As per delivery Schedule	Medium	A Penalty of 0.5% of contract value of Software per week delay.

Note: If the bidder is not adhering to the individual milestones as defined in the delivery schedule, the cumulative penalty will be levied for the delayed weeks, at the sole discretion of DES. If delay exceeds maximum delay weeks at the particular milestone, DES may have rights to terminate the contract. In that case the Performance Bank Guarantee of the bidder will be forfeited.

The SLA applicable after the implementation shall be purely measured on the availability of the services at site.

7.2.2 Operational Related Penalty

7.2.2.1. For Software Uptime

Sl. No	Measurement	Target	Penalty
1	**Product Availability** Downtime required for maintenance, new initiatives undertaken by TSP or for Performance enhancement measures shall not be considered while calculating product availability. All major maintenance	>= 99%	INR 50,000 for every 10 hours of downtime at a stretch or in parts on a quarterly basis. And INR 10,000 for every subsequent hour of downtime at a stretch or in parts for total down time

shall be carried out in a planned manner after announcing it across the platform. Any planned shutdown will be done only between 9 pm and 8 am.		more than 10 hours on a quarterly basis.

7.2.2.2. User Interface

Bandwidth: 90 Mbps Internet Bandwidth available in GSWAN
Assumption: 2 Mbps bandwidth Available

Event	Maximum Acceptable Response Time	Penalty
Displaying progress indicators, completing ordinary user commands (e.g. closing a window), completing background tasks (e.g. reformatting a table) i.e. Application fine-tune	1 second	Rs. 50/- per Instance
Displaying a graph or anything else a typical user would expect to take time (e.g. displaying a new list of all a company's personnel, transactions for an specified period)	5 seconds	Rs. 60/- per instance
Accepting, processing and rendering output of a multiple variable MIS & DSS system – 4 variable task	20 seconds	Rs. 60/- per instance

8. SECTION VIII: ROLES & RESPONSIBILITIES OF STAKEHOLDERS

It is suggested that this project would require a 2 tier structure to be followed, with DES at the top tier being assisted by various committees. The TSP would be the 2nd tier providing a complete support system for successful execution of this project. However the final decision in this regard rests with the DES on level of engagements for TSP.

8.1. Directorate of Economics and Statistics (DES)
- All the proposals / suggestions received from the TSP will be appraised in consultation with GIL for project implementation
- To form Project Management Group (PMG) for monitoring the implementation program across the State.
- Ensure that the TSP conducts a detailed BPR exercise while developing and implementing the automated system.
- Assist in Organizational capacity building.
- Monitoring implementation, consolidation and approvals of AS-IS, BPR, Products, Case studies etc.
- Identify the pilot departments/districts/offices and approve the project report for taking up the Phase I for project implementation.
- Define the services/modules for Pilot project implementation as prescribed in the selection criteria
- To enter into necessary MoUs /agreements with TSP for defining service levels for identified services, ensuring service level adherence, implementation and sustainability of the pilot project and subsequent state wide rollout.
- Work as driver for policy, regulatory and other relevant changes.
- Providing Financial Support as per the project requirements.

8.2. Gujarat Informatics Limited (GIL)
- Working closely with the department / office and the bidder in identifying areas requiring Business Process Reengineering, necessitated due to computerization.
- Evaluation of Prefeasibility Report
- Evaluation of User Requirement Specification
- GIL shall act as an interface between department/office and the TSP vendor for helping in mapping the user requirement transformation in to the software requirements
- Evaluation of System Requirement Specification
- Working closely with the department / office and the bidder in identifying existing databases to be ported onto the newly developed system
- Evaluation of Software Design Document
- Assisting department / office in identifying the software life cycle processes to be adopted for the project.
- Ensuring that the vendor provides a robust, scalable and secure solution.
- Assisting the department / office in understanding IT issues and keep the department / office updated with relevant technologies advancement in computer based systems

- Assisting the department / office during joint reviews at important milestones of various phases of project execution
- Assisting the department / office in assessing and ensuring that the integrated information system plan is progressing as per schedule
- Ensuring that the TSP vendor is providing services diligently and as per the terms of agreement / contract and Handbook of TSP GR dated 30.07.2004.
- Evaluation and testing of application software developed by the Service Provider
- GIL in close co-ordination with the department / office shall monitor the effective and successful implementation of the project
- Assisting the department / office in identifying ways to maximize the benefits reaching the end users and other stakeholders

8.3. TSP/Bidder:
- Provide close tie-ups with all the stakeholders in the Project at all levels, including field level.
- Provide commitment and support to bring-in the process changes.
- Work closely with the different department officials, field agents, support agencies etc. to undertake the field work, comprehend the requirements, document the observations and redesign the processes by doing BPR of government administrative processes.
- Help build capacity for the staff and executive resources at all levels, by providing necessary training and undertaking awareness campaigns. Directorate of Economics and Statistics and GIL would also work closely with the Total Solution Provider for developing and customizing the software and implementing the technical solutions.
- To provide services, IT resources, and capacity building for creation of ecosystem for high adaptability of backend computerization and e-Governance initiatives as per departments vision.
- Coordinate and facilitate interactions between the various stakeholders like Directorate of Economics and Statistics, Administration officials, other instrument bidders and GIL, through its project coordinators and mobile teams.
- Preparation of Project Framework, including aspects like scalability, security, manageability and integration features.
- Submit suggestions on Business Process Reengineering (BPR).
- Carrying out the field study in order to understand the requirements of the citizens, existing delivery mechanism, levels of interfaces with the Governments, the impediments and difficulties in accessing the services and information.
- Designing an efficient and effective end to end service delivery process.
- Understanding the capacity building requirements and help create a facility for development of capacity.

For additional Details on the Roles and Responsibility of the TSP please refer to Scope of work Section IV.

9. SECTION IX: GENERAL TERMS & CONDITIONS

9.1. Application
These general conditions shall apply to the extent that provisions in other parts of the Contract do not supersede them. For interpretation of any clause in the RFP or Contract Agreement, the interpretation of the DES shall be final and binding on the TSP.

9.2. Relationship between parties
Nothing mentioned herein shall be constructed as relationship of master and servant or of principal and agent as between the 'DES' and 'the TSP. The TSP subject to this contract for selection has complete charge of personnel and sub-TSP, if any, performing the services under the Project executed by DES from time to time. The TSP shall be fully responsible for the services performed by them or on their behalf hereunder. The DES will allocate work/assignment to the TSP.

9.3. Standards of Performance
The TSP shall give the services and carry out their obligations under the Contract with due diligence, efficiency and economy in accordance with generally accepted professional standards and practices. The TSP shall always act in respect of any matter relating to this contract as faithful advisor to DES. The TSP shall abide by all the provisions/Acts/Rules etc. of Information Technology prevalent in the country as on the date of the requirements and design submissions. The TSP shall conform to the standards laid down in RFP in totality.

9.4. Delivery and Documents
As per the time schedule agreed between parties for specific projects given to the TSP from time to time, the TSP shall submit all the deliverables on due date as per the delivery schedule. No party shall, without the other party's prior written consent, disclose contract, drawings, specifications, plan, pattern, samples or other documents to any person other than an entity employed by the affected party for the performance of the contract. In case of the termination of the contact, all the documents prepared by the TSP under this contract shall become the exclusive property of DES. The TSP may retain a copy of such documents, but shall not use anywhere, without taking permission, in writing, from DES. DES reserves right to grant or deny any such request.

9.5. TSP Personnel
The TSP shall employ and provide such qualified and experienced personnel as may be required to perform the services under the specified project as assigned by DES. This is a specialized domain of 'e Governance' and it is desirable from the TSP to deploy the personnel, who have adequate knowledge and experience in the domain related with this project. It is desirable that the TSP shall hire the services of domain Specialists, if required, to work on the Project effectively.

9.6. Applicable Law
Applicable Law means the laws and any other instruments having the force of law in India as they may be issued and in force from time to time. The contracts shall

be interpreted in accordance with the laws of the Union of India and that of the State of Gujarat

9.7. Use of Contract Documents and Information

9.7.1 The TSP shall not, without DES's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of the in connection therewith, to any person other than a person employed by the TSP in performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend to only as far as may be necessary for purposes of such performance.

9.7.2 The TSP shall not, without DES's prior written consent, make use of any document or information except for purposes of performing the Contract.

9.7.3 Any document, other than the Contract itself, shall remain the property of DES and shall be returned (in all copies) to DES on completion of the TSP's performance under the Contract if so required by the DES.

9.8. Governing Language

The Contract shall be written in English Language. English version of the Contract shall govern its interpretation. All correspondence and other documents pertaining to the contract, which are exchanged between the parties, shall be written in the English Language. All submissions / documentations / manuals / codes shall be in English only except the user manual.

9.9. Intellectual Property Rights

9.9.1 All the deliverables submitted by the TSP under the contract including source code, IPR shall be the Exclusive property of DES so far as its implementation within any organization – wholly Government or with majority Government interest in any form- of Gujarat is concerned. The bidder shall not sell or use (fully / partly) that software for service of other customers in India.

9.9.2 The TSP shall indemnify DES against all third-party claims of infringement of copyright, patent, trademark or industrial design rights arising from use of the Goods or any part thereof in India.

9.9.3 While passing on the rights (license) of using any software/software tool, the TSP shall ensure that such rights are inclusive of the use of that software for development in addition to deployment.

9.9.4 The software licenses supplied by TSP shall be genuine, perpetual, full use and should provide patches, fixes, security updates directly from the OEM at no additional cost to DES for the entire period of contract. All the licenses and support should be in the name of DES from the date of procurement.

9.9.5 In the event of any claim asserted by a third party of infringement of copyright, patent, trademark or industrial design rights arising from the use of the Goods or any part thereof in India, the TSP shall act expeditiously to extinguish such claim. If the TSP fails to comply and DES is required to pay compensation to a third party resulting from such infringement, the TSP shall be responsible for the compensation including all expenses, court costs and lawyer fees. DES will give notice to the TSP of such claim, if it is made, without delay where upon TSP shall reimburse.

9.10. Inspection/Testing

9.10.1 **Application :**
   a)   DES or its representative shall have the right to inspect and/or to test the software or work of the TSP to confirm their conformity to the Contract specifications at no extra cost to the DES.
   b)   As per Govt. Of Gujarat circular dated 10th March 2006, the DES applications must be tested at EQDC, GIDC, Gandhinagar or at the location specified by DES at the cost of TSP. The TSP must include testing cost in their financial bid. The different types of tests that has to be performed through EQDC/other competent agency are as mentioned below:

Functional testing	Volume testing
Stress/Load testing	Usability testing
Performance testing	Security testing
Facility testing	Configuration testing
Recovery testing	Documentation testing
Procedure testing	Install ability testing
Storage testing	Serviceability testing

9.10.2 **Application Security Audit:**
   In addition to inspection & testing, the TSP shall also be responsible to get application security audited by CERT-In Empanelled application security Auditors at the cost of the TSP and submit the Security Audit Clearance Certificate issued by CERT-In Empanelled Security Auditors.
   a)   The TSP must submit the test results to DES.
   b)   Should any inspected or tested software fail to conform to the specifications, the DES may reject the software and the TSP shall either replace/redevelop the rejected software or make alterations necessary to meet specification requirements free of cost to DES.
   c)   DES's right to inspect, test and, where necessary, reject the software / deliverable after the software deployment at Project Site shall in no way be limited or waived by reason of the software previously been inspected, tested and passed by DES for its representative prior to the software deployment.
   d)   No clause in the RFP document releases the TSP from any warranty or other obligations under this Contract.
   e)   The inspection of the working of the developed software shall be carried out to check whether the software is in conformity with the requirements described in the contract. The tests will be performed after completion of installation and commissioning of all the software at the site of installation. During the test run of software, no malfunction, partial or complete failure of any module of software or bugs in the software is expected to occur. All the software should be complete and no missing modules/sections will be allowed. The TSP shall maintain necessary logs in respect of the result of the test to establish to the entire satisfaction of DES, the successful completion of the test specified. An average uptime efficiency of 99% for the duration of test period shall be considered as satisfactory. On successful completion of

acceptability test and after DES is satisfied with the working of the software on the, the acceptance certificate of DES will be issued. The date on which such certificate is signed shall be deemed to be the date of successful commissioning of the software.

f) Before the Application modules are taken over by DES, the TSP shall supply operation manuals. These shall be in such details as will enable DES to use the software as stated in the specifications. The documentation shall be in the English/Gujarati language and in such form and numbers as stated in the contract document. Unless and otherwise agreed, the software shall not be considered to be complete for the purpose of taking over until such documentation has supplied to DES.

9.11. Change Request Orders

9.11.1 During the development phase, any change in scope of work, or in design and development of Decision Support systems (DSS) or of Management Information system (MIS) shall not be construed as change Request order and instead will become part of scope of work accompanying this bid document.

9.11.2 DES may, at any time, by written order given to the TSP make changes within the general scope of the Contract in any one or more of the following:

a) Designs, specifications, requirements of which software or service to be provided under the Contract are to be specifically developed / rendered for DES;

b) The place of delivery; and/or the Services to be provided by the TSP.

9.11.3 Training of personnel of the DES in terms of hours/subjects will be without any additional cost.

9.11.4 If any such change causes an increase or decrease in the cost of, or the time required for, the TSP's performance of any provisions under the Contract, equitable adjustments shall be made in the Contract value or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the TSP for adjustment under this clause must be asserted within thirty (30) days from the date of the TSP's receipt of the DES's change order.

9.12. Suspension

DES may, by written notice to TSP, suspend all payments to the TSP hereunder if the TSP fails to perform any of its obligations under this contract including the carrying out of the services, provided that such notice of suspension.

9.12.1 Shall specify the nature of failure.

9.12.2 Shall request the TSP for remedy of such failure within a period not exceeding thirty (30) days after receipt by the TSP of such notice of failure.

9.13. Termination

Under the Contract, DES may, by written notice terminate the TSP in the following ways:

9.13.1 Termination by Default for failing to perform obligations under the Contract of if the quality is not up to the specification or in the event of non-adherence to time schedule.

9.13.2 Termination for Convenience: DES by written notice sent to the TSP, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that the termination is for DES's convenience,

the extent to which performance of the TSP under the Contract is terminated, and the date upon which such termination becomes effective.

9.13.3 The software that is complete and ready for rendering / deployment within 30 days after the TSP's receipt of notice of termination shall be accepted by DES at the Contract terms and prices. For the remaining services, DES /GIL may elect:

    a) To have any portion completed and delivered at the Contract terms and prices; and/or

    b) To cancel the remainder and pay to the TSP an agreed amount for partially completed software and for software previously procured by the TSP.

9.13.4 Termination for Insolvency: DES /GIL may at any time terminate the Contract by giving written notice to the TSP, if the TSP becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the TSP, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to DES/GIL.

9.13.5 In all the three cases termination shall be executed by giving written notice to the TSP. Upon termination of the contract, payment shall be made to the TSP for:

    a) Services satisfactorily performed and reimbursable expenditures prior to the effective date of termination

    b) Any expenditure actually and reasonably incurred prior to the effective date of termination

9.13.6 No consequential damages shall be payable to the TSP in the event of such termination.

9.14. Termination for Default

9.14.1 The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Bidder, terminate the Contract in whole or part:

9.14.2 if the bidder fails to deliver any or all of the product as per the delivery schedule including installation, Final acceptance test & commissioning mentioned in the bid, or within any extension thereof granted by the Purchaser or

9.14.3 if the Bidder fails to perform any other obligation(s) under the Contract/Purchase order.

9.14.4 If the Bidder, in the judgment of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

9.15. Fraud & Corruption

DES requires that TSP selected through this RFP must observe the highest standards of ethics during the performance and execution of such contract. In pursuance of this policy, DES:

9.15.1 Defines, for the purposes of this provision, the terms set forth as follows:

    a) "Corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of DES or any personnel of Department in contract executions.

    b) "Fraudulent practice" means a mis-presentation of facts, in order to influence a procurement process or the execution of a contract, to DES, and includes collusive practice among bidders (prior to or after Proposal submission) designed to establish Proposal prices at artificially high or non-competitive levels and to deprive DES of the benefits of free and open competition.

c) "Unfair trade practices" means supply of services different from what is ordered on, or change in the Scope of Work which was given by the DES in Section IV.

d) "Coercive Practices" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the execution of contract.

9.15.2 Will reject a proposal for award, if it determines that the bidder recommended for award by DES to having been engaged in corrupt, fraudulent or, unfair trade practices and coercive practices.

9.15.3 Will declare a TSP ineligible, either indefinitely or for a stated period of time, for awarding the contract, if it at any time determines that the TSP has engaged in corrupt, fraudulent and unfair trade practice in competing for, or in executing the contract.

9.16. Force Majeure

9.16.1 Notwithstanding anything contained in the RFP, the TSP shall not be liable for liquidated damages or termination for default, if and to the extent that, it's delay in performance or other failures to perform its obligations under the agreement is the result of an event of Force Majeure.

9.16.2 For purposes of this clause "Force Majeure" means an event beyond the control of the TSP and not involving the TSP's fault or negligence and which was not foreseeable. Such events may include wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargos. The decision of the DES regarding Force Majeure shall be final and binding on the TSP.

9.16.3 If a Force Majeure situation arises, the TSP shall promptly notify to the DES in writing, of such conditions and the cause thereof. Unless otherwise directed by the DES in writing, the TSP shall continue to perform its obligations under the agreement as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

9.17. Payments in case of Force Majeure

During the period of their inability of services as a result of an event of Force Majeure, the TSP shall be entitled to continue to be paid under the terms of this contract, as well as to be reimbursed for costs additional costs reasonably and necessarily incurred by them during such period purposes for the purpose of the services and in reactivating the service after the end of such period.

9.18. Termination for Insolvency

9.18.1 The Department may at any time terminate the contract by giving written notice to the bidder(s), if the bidder(s) becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the bidder(s), provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Department.

9.19. Resolution of Disputes

If any dispute arises between parties, then there would be two ways for resolution of the dispute under the Contract.

9.19.1 **Amicable Settlement**

Performance of the contract is governed by the terms the conditions of the contract, however at times dispute may arise about any interpretation of any term or condition of contract including the Schedule of Requirement, the clauses of payments etc. In such a situation disputes arising between parties are out of contract, either party of the contract may send a written notice of dispute to the other party. The party receiving the notice of dispute will consider the notice and respond to it in writing within 30 days after receipt. If that party fails to respond within 30 days, or the dispute cannot be amicably settled within 60 days following the response of that party, then clause8.18 shall become applicable. Amicable settlement clause shall be only applicable in case of dispute is arising out of contract. The said clause shall not be applicable in the case of cyber-crimes and any other type of security breach relating to PHI carried out by either bidder organization itself or its employees.

9.19.2 **Resolution of Disputes**

In the case dispute arising between the parties in the contract, which has not been settled amicably, any party can refer the dispute for Arbitration under (Indian) Arbitration and Conciliation Act, 1996. Such disputes shall be referred to Arbitral Tribunal as prescribed by Ministry of Law, Government of India. The Indian Arbitration and Conciliation Act, 1996 and any statutory modification or reenactment thereof, shall apply to these arbitration proceedings.

Arbitration proceedings will be held in India at Gandhinagar and the language of the arbitration proceeding and that of all documents and communications between the parties shall be in English. The decision of the majority of arbitrators shall be final and binding upon both the parties. All arbitration awards shall be in writing and shall state the reasons for the award. The expenses of the arbitration as determined by the arbitrators shall be shared equally between the two parties. However, the expenses incurred by each party in connection with the preparation, presentation shall be borne by the party itself. Arbitration clause shall be only applicable in case of dispute is arising out of contract. The said clause shall not be applicable in the case of cyber-crimes and any other type of confidentiality/security breach relating to PHI carried out by either bidder organization itself or its employees. Both the parties agree the jurisdiction of Adjudicating Authority, Gujarat state and Cyber Appellate Tribunal, New Delhi under Information Technology Act, 2000 (including any amendments therein) in case of any contraventions, security and confidentiality breaches.

9.20. Arbitration

9.20.1 Arbitration proceedings will be held in India at Gandhinagar and the language of the arbitration proceeding and that of all documents and communications between the parties shall be in English.

9.20.2 The decision of the majority of arbitrators shall be final and binding upon both the parties.

9.20.3 All arbitration awards shall be in writing and shall state the reasons for the award.

9.20.4 The expenses of the arbitration as determined by the arbitrators shall be shared equally between the two parties. However, the expenses incurred by each party in connection with the preparation, presentation shall be borne by the party itself.

9.21. Contract Period
The contract period is of 5 years. However the Department will take the review on all the activities carried out, performance reports submitted by bidder after the completion of 3 Years. The TSP agrees that in any case TSP shall not terminate the contract. However, the department reserves a right to terminate the contract by sending a notice to the bidder in the events of non-performance, security violations and non-compliance.

9.22. Agreement Amendments
No variation in or modification of the terms of the agreement shall be made except by written amendment signed by both the parties. However, Department shall, as the situation warrants, in consultation and agreement with bidder shall make major additions to the scope and agree for suitable payments.

9.23. Limitation of Liability
The entire liability of the bidder shall be limited to **Maximum (Limitation of liability) = Payment made to the bidder** and explicitly exclude all direct, indirect and consequential losses impact, etc. to the Department except as may be determined by courts of law under the applicable law and awarded after following the due process of law.

9.24. Severability:
If any term, clause or provision of the agreement shall be judged to be invalid for any reason whatsoever such invalidity shall not affect the validity or operation of any other term, clause or provision of the agreement and such invalid term clause or provision shall be deemed to have been deleted from the agreement and if the invalid portion is such that the remainder cannot be sustained without it, both parties shall enter into discussions to find a suitable replacement to the clause that shall be legally valid.

9.25. Maintenance service including Warranty Support:
Free maintenance services including Warranty support shall be provided by the Bidder during the contract period without altering the terms.

9.26. Taxes and Duties
The TSP shall fully familiarize themselves about the applicable Domestic taxes (such as VAT, Sales Tax, Service Tax, Income Tax, duties, fees, levies, etc.) on amount payable by DES under the contract. The TSP, sub TSP and personnel shall pay such domestic tax, duties, fees and other impositions (wherever applicable) levied under the applicable law. Price shall be exclusive of all applicable taxes. The taxes and duties mentioned separately in Financial Bid.

The billing should be done in Gujarat only.

9.27. Legal Jurisdiction
All legal disputes between the parties shall be subject to the jurisdiction of the courts situated in Gandhinagar/Ahmedabad of Gujarat only.

9.28. **Notice**

Any notice, request or consent required or permitted to be given or made pursuant to this contract shall be in writing. Any such notice request or consent shall be deemed to have been given or made when delivered in person to an authorized representative of the party to whom the communication is addressed, or when sent to such party at the address mentioned in the project specific Contract Agreement.

10. SECTION: X ANNEXURES

10.1. FORM I: Bid Proposal Form

Reference:

Date:

Tender No.: GIL/

To

Sir / Madam

Having examined the Bidding Documents including Addenda Nos. _____ (insert numbers, if any), the receipt of which is hereby duly acknowledged, we, the undersigned, offer to render "Total Computerization (Application development, configuration, training and post implementation support) for GISS (Gujarat Integrated Statistical System) under GSSSP (Gujarat State Statistical Strengthening Project) for Directorate of Economics and Statistics(DES) in conformity with the said bidding documents for the same as per the technical and financial bid and such other sums as may be ascertained in accordance with the Financial Bid submitted online and made part of this bid.

We undertake, if our bid is accepted, to render the services in accordance with the delivery schedule which will be specified in the contract document that we will sign if the work order given to us.

If our bid is accepted, we will obtain the guarantee of a bank in a sum equivalent to fixed amount based on the estimation of the total project cost for the due performance of the Contract, in the form prescribed by Directorate of Economics and Statistics.

We agree to abide by this bid for a period of 180 (One hundred and eighty only) days after the date fixed for financial bid opening as mentioned under the Instruction to Bidders and it 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 bid, together with your written acceptance thereof and your notification of award shall constitute a binding Contract between us.

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:

Amount:_____Rupees:_____

Name:_____

Address:_____

_____

Purpose of Commission or gratuity:_____

_____

(if none, state "none")

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

Dated this _____ day of _____ 20 ___
Signature   (in the capacity of)
Duly authorized to sign Bid for and on behalf of _____

10.2.   FORM II: Particulars of the Bidder's Organization

1. Total Computerization (Application development, configuration, training and post implementation support) for GISS under GSSSP for Directorate of Economics and Statistics(DES)	
2. Name and full address of the firm/ Company/ Organization	--- ---
3. Registered Office with full address, Telephone No(s) Fax No(s) E-mail address Website URL	--- --- --- --- ---
4. Income Tax Registration number. (PAN)	---
5. Service Tax Registration No.	---
6. Whether Public Limited Company or Private Limited Company or any other entity (Give details)	--- ---
7. In case of a company, details of Director, Managing Director etc. and their Shareholding and their respective liabilities in carrying this tender and discharge of subsequent	--- --- ---
8. Whether any establishment is in Gujarat. If so detailed address of the same and activity carried on there.	--- ---
9. Name and addresses and designation of the persons who will represent the Bidder while dealing with DES/GIL (Attach letter of authority)	--- --- ---
10. Details of service / support network and infrastructure available in Gujarat. (If Any)	--- ---

Note: Above details are mandatory, Bidder may use additional sheets for above submissions.

(Authorized Signatory)

Name:_____
Designation & Authority:_____
Place:_____
Date:_____
Stamp:_____
Company Name:_____
Business Address:_____

10.3. FORM III - Performance Bank Guarantee

(To be stamped in accordance with Stamp Act)
Ref: Bank Guarantee No.
                                                         Date:

To
Name & Address of the Purchaser/Indenter

_____

_____

Dear Sir,

In consideration of Name & Address of the Purchaser/Indenter, Government of Gujarat, Gandhinagar (hereinafter referred to as the OWNER/PURCHASER which expression shall unless repugnant to the context or meaning thereof include successors, administrators and assigns) having awarded to M/s. ………………………………………………………………………………………………… having Principal Office at …………………………………………………………………… (here in after referred to as the "SELLER" which expression shall unless repugnant to the context or meaning thereof include their respective successors, administrators, executors and assigns) the supply of _____by issue of Purchase Order No……………… Dated ………… issued by Gujarat Informatics Ltd. ,Gandhinagar for and on behalf of the OWNER/PURCHASER and the same having been accepted by the SELLER resulting into CONTRACT for supplies of materials/equipments as mentioned in the said purchase order and the SELLER having agreed to provide a Contract Performance and Warranty Guarantee for faithful performance of the aforementioned contract and warranty quality to the OWNER/PURCHASER, _____having Head Office at (hereinafter referred to as the 'Bank' which expressly shall, unless repugnant to the context or meaning thereof include successors, administrators, executors and assigns) do hereby guarantee to undertake to pay the sum of Rs._____(Rupees_____) to the OWNER/PURCHASER on demand at any time up to_____ without a reference to the SELLER. Any such demand made by the OWNER/PURCHASER on the Bank shall be conclusive and binding notwithstanding any difference between Tribunals, Arbitrator or any other authority.

The Bank undertakes not to revoke this guarantee during its currency without previous consent of the OWNER/PURCHASER and further agrees that the guarantee herein contained shall continue to be enforceable till the OWNER/PURCHASER discharges this guarantee. OWNER/PURCHASER shall have the fullest liberty without affecting in any way the liability of the Bank under this guarantee from time to time to extend the time for performance by the SELLER of the aforementioned CONTRACT. The OWNER/ PURCHASER shall have the fullest liberty, without affecting this guarantee, to postpone from time to time the exercise of any powers vested in them or of any right which they might have against the SELLER, and to exercise the same at any time in any manner, and either to enforce to forebear to enforce any covenants contained or implied, in the aforementioned CONTRACT between the OWNER/PURCHASER and the SELLER or any other course of or remedy or security available to the OWNER/PURCHASER.

The Bank shall not be released of its obligations under these presents by any exercise by the OWNER/PURCHASER of its liability with reference to the matters aforesaid or any of them or by reason or any other acts of omission or commission on the part of the OWNER/PURCHASER or any other indulgence shown by the OWNER/PURCHASER or by any other matter or things.

The Bank also agree that the OWNER/PURCHASER at its option shall be entitled to enforce this Guarantee against the Bank as a Principal Debtor, in the first instance without proceeding against the SELLER and not withstanding any security or other guarantee that the OWNER/PURCHASER may have in relation to the Seller's liabilities.

Notwithstanding anything contained herein above our liability under this Guarantee is restricted to Rs. _____ (Rupees _____) and it shall remain in force up to and including _____ and shall be extended from time to time for such period as may be desired by the SELLER on whose behalf this guarantee has been given.

Dated at _____ on this _____ day of _____2013

_____

Signed and delivered by

_____

For & on Behalf of

Name of the Bank & Branch &
Its official Address

10.4.   FORM IV: Performance Statement

For each project, please provide a profile, based on the following template. The profile for single project must not exceed one page.

Sr. No.	Information Sought	Details
Customer Information		
1	Customer Name	
2	Name of the contact person from the client organization who can act as a reference with contact coordinates	
	Name	
	Designation	
	Address	
	Phone Number	
	Mobile Number	
	Email ID	
Project Details		
3	Project Title	
4	Start Date / End Date	
5	Current Status (In Progress / Completed)	
6	Number of responding firm's staff deployed on this project (peak time)	
Value of the Project		
7	Order value of the project (in rupees lakhs)	
8	Narrative description of project: (Highlight the components / services involved in the project that are of similar nature to the project for which this Tender is floated	
9	Description of actual services provided by the responding firm within the project and their relevance to the envisaged components / services involved in the project for which this RFP is floated	
10	Description of the key areas where significant contributions are made for the success of the project	
11	Order Copies & Performance Certificate received from Client is attached with this statement	

10.5. FORM V: Project Team

The bidder has to submit proposed development team structure and on-going maintenance team structure with the role and responsibility description, as part of the bidder technical bid document as per below given format.

Please provide the summary information on the profiles you propose to include for evaluation and the roles they are expected to play in the project:

Sl. No.	Proposed Role	Number of Resources	Area of Expertise	Key Responsibilities

CV for Professional Staff Proposed
Please provide detailed professional profiles of the staff proposed for evaluation. The profile for a single staff member must not exceed two pages.

Sr. No.	Description	Details
1	Name	
2	Designation	
3	Role proposed for	
4	Current responsibilities in the responding firm	
5	Total years of relevant experience	
6	Years of experience with the responding firm	
7	Educational qualifications:	
	Degree	
	Academic institution graduated from	
	Year of graduation	
	Specialization (if any)	
8	Professional certifications (if any)	
9	Professional Experience details (project-wise):	

	Project name	
	Client	
	Key project features in brief	
	Location of the project	
	Designation	
	Role	
	Responsibilities and activities	
	Duration of the project	
10	Covering Letter: Summary of the Individual's experience which has direct relevance to the project (maximum 1 page)	

Each CV must be accompanied by the following undertaking from the staff member:

Certification
I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.

[Signature of staff member]
Date:
(Authorized Signatory)
Name:_____
Designation & Authority:_____
Place:_____
Date:_____
Stamp:_____
Company Name:_____
Business Address:_____

10.6. Data Migration Strategy
The bidder has to submit the data migration strategy with assurance of the creation of a trusted data source – DW

10.7. FORM VI: Financial Bid

Bidder should quote firm rates for the entire Scope of Work and Technical Requirements mentioned in the Section IV of Tender Document.

Financial Bid Format

Sr. No.	Description	Total Amount (Rs.) (Without Taxes)
1.	Design and Develop of solution – "GISS (Gujarat Integrated Statistical System) for Directorate of Economics and Statistics(DES)– **Part 1**	
2.	Cost of Operation and Maintenance support for 5 years from the date of Go-live and data migration – **Part 2**	
3.	Cost of BI Tools (Reports + Statistical Analytics) – **Part 3**	
4.	Cost of AMC/ATS of BI Tools (Reports + Statistical Analytics) for five years– **Part 4**	
5.	Cost of the Licenses required for running the Solution for 5 years from the date of Go-live – **Part 5**	
6.	Cost of the AMC of Licenses required for running the Solution for 5 years from the date of Go-live – **Part 6**	
7.	Cost of Training – **Part 7**	
	Grand Total (Rs.)	
8.	Charges for development of additional module	
9.	Per Person Hand-holding charges	
10.	Per Man Hour charges for change request	
11.	Database Administrator Charges per person per month	
12.	System Administrator Charges per person per month	
13.	Business Analyst Charges per person per month	

Note:
1. The cost of the above parts should be matched with the breakup of each component mentioned in Part
2. Taxes are extra as applicable
3. For financial evaluation, Total price of Sr. No. 1 to 7 will be considered.
4. The no. of users to be trained are indicative. It may increase or decrease 10%.
5. The Sr. No. 8 to 13 will be optional for DES. However bidders have to quote for all the items listed in the financial bid.

Signature   Name

Date

Seal   Place

Part 1: Cost of Design and Development of Solution

Sr. no.	Item Description Original	Total amount (Without Taxes) (Rs.)	Taxes (Rs.)
1	Conceptualization, As-Is, BPR and To-be		
2	URS,SRS		
3	Development/Customization		
4	Testing, UAT		
	Total Amount(Rs.)		

Part 2 – Cost of Proposed manpower for Operation & Maintenance support for 5 years

Sr. no.	Manpower requirement	Total Man month Efforts	Cost of per man month					Total Cost					Total amount (Without Taxes) (Rs.)	Taxes (Rs)
			Y1	Y2	Y3	Y4	Y5	Y1	Y2	Y3	Y4	Y5		
		A	B	C	D	E	F	G	H	I	J	K	L=(G+H +I+J+K)	
1.	DBA													
2.	System Administrator													
3.	Programmer													
4.	Help Desk													
5.	Hand Holding Support													
6.	Business Analyst													
	Total Cost													

Bidder may indicate Tax rate separately here. Bidder will submit a separate sheet for indicating the category of technical manpowerw.r.t. Designation, experience of personnel, cost per manpower per month etc. Bidder may also indicate the skill level and minimum experience in respect of each of the manpower.

Part 3: Cost of BI Tool (Analytical + Reporting)

Sr. no.	Item Description	No. of Concurrent Users	Per User rate (Rs.)	Total amount (Without Taxes) (Rs.)	Taxes (Rs.)
		A	B	C = A * B	D
1.	Business Analytics	50			
2.	Statistical Analytics	10			
Total Amount(Rs.)					

Note: The above number of users can access the system from anywhere at any point of time concurrently.

Part 4: Cost of ATS/AMC of BI Tool (Analytical + Reporting) for 5 years

Sr. no.	Item Description	No. of Concurrent Users	Per User rate (Rs.)					Total Cost (Rs.)					Total Amount (Without Taxes)	Taxes (Rs.)
			Y1	Y2	Y3	Y4	Y5	Y1	Y2	Y3	Y4	Y5		
		A	B	C	D	E	F	G	H	I	J	K	L=(G+H+I+J+K)	
1.	Business Analytics	50												
2.	Statistical Analytics	10												

Part 5: One time Cost of Software Licenses required for running the Solution

Sr. no.	Item Description	Unit Cost	No. of Licenses Required	Amount (Without Taxes) (Rs.)	Taxes (Rs.)
		A	B	C= A*B	D
1.					
2.					
3.					
..					
..					
10					
Total Amount(Rs.)					

Note: The prices quoted shall be inclusive of license software required for actual running of applications developed (i.e. User level Operating System and database other software required).

Part 6: ATS/AMC of the Licenses required for running the Solution

Sr. no.	Item Description	No. of Unit	Cost of AMC During each of these years – per item rates					Total Cost of During each of these years					Total Amount (Without Taxes)	Taxes (Rs.)
			Y1	Y2	Y3	Y4	Y5	Y1	Y2	Y3	Y4	Y5		

		A	B	C	D	E	F	G	H	I	J	K	L=(G+H+I+J+K)	
1.														
2.														
3.														
…														
…														
10														
	Total													
				Grand Total										

The bidder may indicate the tax rate separately here. Warranty Cost in columns B to K shall be exclusive of Taxes. ATC/AMC charges become payable one year after full roll out of the Project.

Part 7: Training

Sr. no.	Item Description	No. of employees	Unit rate (Rs.)	Total amount (Without Taxes) (Rs.)	Taxes (Rs.)
		A	B	C = A * B	D
1.	Admin Level	20			
2.	User Level	800			
Total Amount(Rs.)					

*The number of employees to be trained are indicative only. The actual payment will be made based on the training given to the no. of employees.

10.8.   FORM VIII: Self Declaration

The

------------------------------------,

Sir/Madam,

Having examined the Bidding Documents including Bid No.: ----------------------------- the receipt of which is hereby duly acknowledged, we, the undersigned, offer to provide services for -- -------------------.

We undertake, if our bid is accepted, to provide _____, in accordance with the terms and conditions in the tender document.

If our bid is accepted we will obtain the guarantee of a bank for a sum equivalent to 10% of the Contract value, in the form prescribed by the purchaser.

We agree to abide by this bid for a period of 180 days after the date fixed for opening of Price Bid section under the Instruction to Bidders and shall remain binding upon us and may be accepted at any time before the expiry of that period.

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

We understand that in competing for (and if the award is made to us, in executing the above contract), we will strictly observe the laws against fraud and corruption in force in Gujarat namely Prevention of Corruption Act 1988.

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

We have not been under a declaration of ineligibility for corrupt and fraudulent practices, and / or black-listed or debarred by any of the Govt. Department or its PSU in the past 5 years, ending on 31st March, 2013 in Gujarat. We have not imposed any condition in conflict with the tender condition if it is found it should be treated as withdrawn.

We have not been convicted for any criminal cases(s) by any of the Govt. Department or its PSU in Gujarat regarding any supply and contracts with our firm/company.

We have not breached/violated any contractual conditions so far to any of the Govt. Department or its PSU.

In case any of the above statements made by us are found to be false or incorrect, you have right to reject our bid at any stage including forfeiture of our EMD and / or PBG and / or cancel the award of contract

Dated this _____ day of_____2013

Signature: _____

(in the Capacity of) :_____

Duly authorized to sign bid for and on behalf of

Note: This form should be signed by authorized signatory of bidder/ lead bidder in case of consortium.

10.9. Original Equipment Manufacturer (OEM)/Developer Authorization Form

No. _____ dated _____

To
Ref: Tender No. _____

Dear Sir,

We _____ who are established and reputed developers / manufacturers of _____ having development center / factories at _____ *(address of development center / factory)* do hereby authorize M/s. _____ _____ *(Name and address of Agent)*to submit a bid, and sign the contract with you against the above IFB.

We hereby extend our full guarantee and warranty Clause of the General Conditions of Contract for the product and services offered by the above firm against this tender.

1. We agree to any variation in the quoted quantity by 25% shall be provided at the price bided.

2. We agree to hold IPR of customized BI Tool (Reports + Statistical Analytics) solution jointly the Government of Gujarat in so far as that Statistical tool might get implemented in other Government organizations in India. The same would be applicable to copyrights.

Yours faithfully,
(Name)
(Name of manufacturers)

Note: This letter of authority should be on the Rs. 100 stamp paper should be signed by a person competent and having the power of attorney to bind the OEM of Statistical Tool as well as Bidder. The Bidder in its bid should include it.

10.10. List of Indicators

List of Development Indicators	
Sr. No	**Name of Indicator**
I	State Domestic Product
1	Gross state domestic product
2	Net state domestic product
3	Per capita net state domestic product
II	Capital Formation and Savings
4	Gross fixed capital formation
5	Savings rate
6	Capital-output ratio
III	District Domestic Product
7	Gross district domestic product
8	Net district domestic product
9	Per capita net district domestic product
IV	Contribution of Local Bodies
10	Total income as proportion to total state revenue income
11	Total expenditure as proportion to state public expenditure
12	Revenue expenditure as proportion to state revenue expenditure
13	Capital expenditure as proportion to state capital expenditure
V	Major Fiscal Variables
14	Non-plan revenue expenditure as proportion to revenue expenditure
15	Non-plan capital expenditure as proportion to capital expenditure
16	Plan revenue expenditure as proportion to revenue expenditure
17	Plan capital expenditure as proportion to capital expenditure
18	Surplus or deficit
VI	Annual Survey of Industries
19	Industries per 100 thousand population
20	Average number of workers per industry
21	Average fixed capital per industry
22	Average invested capital per industry
23	Average net value added by the industrial sector
VII	Industrial Production
24	Index of industrial production
25	Index of industrial production in organized
26	Index of industrial production in unorganized sector
VIII	Crop Area and Production Statistics
27	Per capita net sown area

List of Development Indicators	
Sr. No	Name of Indicator
28	Per capita net irrigated area
29	Cropping intensity
30	Food grain yield per hectare
31	Yield of other crops
32	Value of agriculture output per hectare
IX	Wholesale Price Index
33	Wholesale price index
34	Housing price index
35	Service price index
36	Index of service production
X	Consumer Price Index
37	Consumer price index – rural
38	Consumer price index – urban
39	Consumer price index for industrial workers
40	Consumer price index for agricultural labourers
XI	Health, Morbidity, Mortality and Family Planning
41	Infant mortality rate
42	Under-five mortality rate
43	Maternal mortality ratio
44	Proportion of children 0-5 years fully immunized
45	Proportion of 1 year old immunized against measles
46	Proportion of births attended by skilled health personnel
47	Incidence, prevalence and death rates associated with tuberculosis
48	Prevalence of RTI/STI/HIV
49	Malaria incidence and death rate
50	Contraceptive prevalence rate
51	Unmet need for family planning
52	Antenatal care coverage rate (at least one visit and at least four visits)
53	Prevalence of underweight in children below 5 years of age
54	Prevalence of stunting in children below 5 years of age
55	Prevalence of wasting in children below 5 years of age
XII	Education and Literacy Statistics
56	Literacy rate
57	Literacy rate of 15-24 year-olds
58	Primary education completion rate
59	Net enrolment ratio in primary education
60	Education development index
XIII	Labour and Migration Statistics

List of Development Indicators	
Sr. No	**Name of Indicator**
61	Labour force participation rate
62	Employment to population ratio
63	Incidence of child labour
XIV	Housing Statistics
64	Proportion of houses having safe drinking water facility
65	Proportion of houses having latrine
66	Proportion of houses having waste water disposal system
67	Proportion of houses having electricity
XV	Birth and Death Registration Statistics and Population
68	Birth rate
69	Death rate
70	Age specific fertility rate
71	Age specific mortality rate
72	Expectation of life at birth
73	Population growth rate
74	Dependency ratio
75	Sex ratio
XVI	Electricity Production and Distribution
76	Ratio of electricity generated to installed capacity
77	Ratio of non-conventional electricity generated to total generation
78	Per capita electricity consumption
79	Transmission loss
XVII	Environment and Forestry Statistics
80	Proportion of area under forest to total area
81	Non-cultivable waste land as proportion to total area
82	Proportion of urban population living in slums
83	Proportion of denuded forest area to total forest area
84	Common property resources as proportion to total area
85	Carbon dioxide emission rate
XVIII	National Sample Survey
86	Monthly per capita consumption expenditure
87	Prevalence of poverty (head count ratio)
88	Prevalence of chronic poverty
89	Poverty gap ratio
90	Share of poorest quintile in total consumption
XIX	Transport Statistics
91	Road length per 100 sq km
92	Traffic intensity

List of Development Indicators	
Sr. No	**Name of Indicator**
93	Vehicles registered per 1 lakh population
94	Prevalence of road accidents
XX	Statistics for Local Area Planning
95	Proportion of villages connected by all-weather roads
96	Proportion of villages having electricity
97	Proportion of villages having safe drinking water supply
98	Proportion of villages having at least a primary school
99	Proportion of villages having Aanganwadi Centre
100	Proportion of villages having any health facility

Note : No. of Indicators may increase depending upon analytical requirements of DES.

- **20 key activities under GSSSP (Gujarat State Strategic Statistical Plan)**

1. State Domestic Product Estimates - SDP

2. Estimate of Capital Formation and Savings

3. Estimates of District Domestic Product

4. Estimates of the Contribution of Local Bodies

5. Data on Major Fiscal Variables

6. Annual Survey of Industries

7. Index of Industrial Production - IIP

8. Crop Area and Production Statistics

9. Wholesale Price Index - WPI

10. Consumer Price Index - CPI

11. Health, Morbidity, Mortality and Family Welfare Statistics

12. Education and Literacy Statistics

13. Labour and Employment Statistics

14. Housing Statistics

15. Birth and Death Registration Statistics and Population

16. Electricity Production and Distribution Statistics

17. Environment and Forestry Statistics

18. Participation in Surveys of the National Sample Survey Organization

19. Transport Statistics

20. Statistics for Local Area Planning

10.11. List of Publications and its Periodicity

No.	Name of Publication	Periodicity
	Publication Branch	
1	Socio-Economic Review, Gujarat State (Budget Publication)	Annual
2	Budget in Brief, Gujarat State (Budget Publication)	Annual
3	Statistical Outline of Gujarat State (Priced publication)	Annual
4	Statistical Abstract of Gujarat State (Priced publication)	Annual
5	An Analytical Summary of Budget Statistics, Gujarat State	Adhoc
	State Income Branch	
6	State Domestic Product, Gujarat State	Annual
7	An Economic and Purpose Classification of the Budget, Gujarat State	Annual
	Regional Accounts Branch	
8	Gross Fixed Capital Formation in State Govt. Sector, Gujarat State	Annual
9	Gross Fixed Capital Formation by Non-departmental Commercial undertakings of Govt. of Gujarat	Annual
10	Consumption expenditure in State Government Sector, Gujarat State	Annual
	Price Branch	Periodicity
11	Price Statistics in Gujarat State	Yearly
12	Half Yearly Bulletin on Price Statistics and price indices	Six Monthly
13	Price Indices	Adhoc
	Annual Survey of Industry Branch	
14	Locations of Industries	5- Years
15	Annual Survey of Industries Census Sector Results	Annual
16	Annual Survey of Industries Factory Sector Results	Annual
17	Decadal Growth of Industries (1991-2001) Gujarat State	Adhoc
	Municipal Year Book Branch	
18	Statistics of Municipal Towns and Cities	Annual
	Transport Branch	
19	Basic Transport Statistics, Gujarat	Annual
20	Traffic Census Results	Annual
	CMGE/SEA Branch	
21	Quarterly Review of Gujarat Economy	Quarterly
22	Basic Statistics, Gujarat-India	Annual
23	Gujarat Among the States of India	Adhoc
24	Gujarat in Figures	Adhoc
25	Districtwise/Talukawise Occupational Classification (Based on Population Census - 2001, Gujarat State.)	Adhoc

	Irrigation Branch	Periodicity
26	Horticulture in Gujarat-2006	Adhoc
No.	**Name of Publication**	**Periodicity**
27	Irrigation in Gujarat	Adhoc
	Economic Census Branch	
28	A Report on Fourth-Economic Census	5 years
	National Sample Survey Branch	
29	A Report on NSS 55th Round (A) Consumer Expenditure Schedule - 1.0 (B) Informal Non-Agricultural Enterprises (Schedule 2.0) and (C) Employment and Unemployment Schedul1 10	Adhoc
30	Key Results on Situation Assessment Survey of Farmers (Schedule 33) (NSS 59th Round)	Adhoc
31	A Report on Disabled Persons of Gujarat NSS 58th Round	Adhoc
32	Report on Household Consumer Expenditure NSS 56-57-58th Round State Sample Gujarat State(July-2000 June-2001,July-2001 June-2002 and July 2002-December-2002)	Adhoc
33	Report on Employment and Unemployment and Household Consumer Expenditure NSS 60th Round State Sample Gujarat State(January-june-2004)	Adhoc
34	Report on Morbidity, Health Care and the Condition of the aged NSS 60th Round State Sample Gujarat State	Adhoc
35	Report on Household Consumer Expenditure NSS 61th Round State Sample Gujarat State	Adhoc
36	Report on Employment and Unemployment in Gujarat NSS 61th Round State Sample Gujarat State	Adhoc
37	Report on Housing Condition NSS 58th Round State Sample Gujarat State	Adhoc

10.12. Technical Compliance Sheet

Category	Requirements	Response (Yes/No /Customization)	Comments and Proposal Section Reference
Data Entry	On line provision		
	Offline Provision with uploading of Data		
	With required validation checks		
Types of Reports to be Processed	Static Reports identified by Department.		
	Dynamic Reports		
	Queries		
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/Wand resources.		
Metadata Management (Administration)	Single window point of control over administrative tasks. i.e. Single metadata management platform for End to End solution		
	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(Applicati on& database level as well as data entry level)	Access provision shouldbeMD5support ed.		
	Inputs should be protected from SQL injections.		
	Role based access.		
Architecture	N Tier architecture should be supplied 64bit platforms.		
	Internet Explorer 8or above &fire fox should be supported.		
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.		
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 port lets 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.		
ETL (Extract, Transform and Load)	Central Administration for Meta data Repository traceability of data & structure required.		
	Access interface for data bases namely ORACLE, SQL Server, DB2etc& PC files of MS Excel, flat files		
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 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.		
	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.		
	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		
	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 fore casting model.		
	Perform diagnostic checks on fitted models		

	Option to statistically combine casts		
	Forecasting and time series methods: • Trend extrapolation; exponential smoothing; Winters method (additive and multiplicative) ARIMA (Box-Jenkins) • Structural time series models or unobserved components models •Dynamic regression or transfer function models •Joint forecasting of multiple time series using vector time series analysis and general •State space models •Automatic outlier and event detection •Time series decomposition and seasonal adjustment 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		

10.13. Departments & Office for Data Collection

10.13.1   State Government Departments/Offices for Data Collection

DES collects data from following departments, its HoDs, its sub/regional offices, Boards and corporations located at state, district, taluka and sub taluka level offices.

1. Gujarat Vidhansabha
2. Agriculture & Co-operation Department
3. Climate Change Department
4. Education Department
5. Energy and Petro Chemicals Department
6. Finance Department
7. Food, Civil Supplies & Consumer Affairs Department
8. Forests and Environment Department
9. General Administration Department
10. Home Department
11. Health and Family Welfare Department
12. Industries and Mines Department
13. Information and Broadcasting Department
14. Labour and Employment Department
15. Legal Department
16. Legislative and Parliamentary Affairs Department
17. Narmada and Water Resources, Water Supply and Kalpsar Department
18. Panchayats, Rural Development and Rural Housing Department
19. Ports and Transport Department
20. Revenue Department
21. Roads and Buildings Department
22. Rural Development
23. Science and Technology Department
24. Social Justice and Empowerment Department
25. Sports, Youth and Cultural Activities Department
26. Tribal Development Department
27. Urban Development & Urban Housing Department
28. Women and Child Development Department

Note: DES collects data from all the above departments, its HODs, its sub/regional offices, boards and corporations located at State,District and Taluka Level Offices.

10.13.2   Other offices/Sources from where DES collects data.

1. Agriculture Marketing& Rural Economic
2. Agro Climatic Regional Planning Unit
3. Ahmedabad Municipal Transport Services
4. All Agriculture Produce Market Committee of Gujarat State

5. ASI Factory Sector Results, Central Statistical Office, Kolkata
6. B.S.N.L. -Gujarat Telecom Bhavan
7. C.C.S.C.R.B.
8. Cellular Operators Association of India
9. Chief Electoral Officer, Gandhinagar
10. Chief General Manager, Gujarat Telecom Circle, Ahmedabad
11. Chief Post Master General
12. Co-Operative Milk Society of State
13. Co-Operative Society
14. Director of Census Operations, Gujarat State
15. Directorate General of Civil Aviation
16. GIR Foundation
17. GMB and Kandla port trust A/Cs
18. GSRTC & AMTS Office
19. Gujarat Council of Elementary Education (S.S.A.), Gandhinagar.
20. Gujarat Ecology Commission
21. Gujarat State Central, Co-operative Bank, Ahmedabad
22. Gujarat State Disaster Management Agency
23. Gujarat State Warehousing
24. Gujarat Urja Vikas Nigam Ltd., Vadodara
25. GUSHIL
26. Indian Health & Homeopathy
27. KVIC , Bombay
28. Live Stock Census
29. Meteorological Centre, Ahmedabad
30. Ministry of Commerce & Industry
31. Ministry of Environment & Forest
32. Ministry of Railway
33. Municipal Corporations & Municipalities
34. Non-Departmental Commercial Undertakings
35. Office of Economic Adviser
36. All TDO offices of Gujarat
37. Office of the Commissioner of Income Tax
38. Office of the Western Railway
39. ONGC
40. Population Census
41. Post Master General, Gujarat Circle, Ahmedabad
42. Principal Chief Conservator of Forest
43. RBI Bulletin
44. Reserve Bank of India
45. Torrent Power LTD.

10.13.3   **Collection of Unit level data from Govt. of India Sources offices**
1. Agriculture Census
2. APMC offices
3. ASI Central Sector
4. ASI Units – Kolkata
5. Census of India
6. Civil Aviation
7. CSO - New Delhi
8. Economic Census
9. Export Council for Export Import Data
10. Indian bureau of Mines, Mining & Minerals Statistics Division, Govt. of India, Nagpur
11. Kandala Port Trust
12. Live Stock Census
13. Ministry of Labour & Employment Bureau, Shimla
14. Minor Irrigation Census
15. MSME Census data
16. National Building Organization - NBO
17. NSS – Survey
18. Quarterly Statistics on Deposits and Credit of Scheduled Commercial Banks Published by RBI, Mumbai
19. Railway - Western Railway
20. RBI , Mumbai
21. Telecommunication

10.14. List of Branches, aliened/sub offices of DES

10.14.1   **List of Branches of DES**

1   SEA / CMGE
2   Training & Coordination
3   Regional Account
4   State Income
5   Library
6   Publication
7   ASI
8   Environment
9   Irrigation
10   Administration
11   Planning
12   Confidential
13   Registry
14   Cash
15   Establishment
16   E.I.
17   Price
18   Municipal Year Book
19   Housing
20   Transport
21   Computer Cell
22   National Sample Survey
23   Cartography
24   Economic Census
25   Village Amenities Survey
26   Budget
27   Inquiry

10.14.2   **List of allied /sub offices of DES**

1   GSIDBS
2   Evaluation
3   DCHB
4   RJDs
5   DSOs
6   SO(I)s

10.15. Example of Statistical Analysis

10.15.1   **Development data to development knowledge**

Development data	Live birth
	    Sex
	    Age of mother
	    Birth order
	    Birth weight
	    Birth place
	    Social class
	    Income class
	Infant death
	    Sex
	    Age at death
	    Cause of death
	    Place of death
	    Social class
	    Income class
		Collected through the birth and death registration system or through a household survey.

Development information	Prevalence of low birth weight Neonatal mortality rate Post-neonatal mortality rate Infant mortality rate Cause specific death rate Case fatality rate Mortality sex ratio Distribution of death by age	Requires processing and analysis of development data in terms of quality assessment and estimation of indicators.
Development knowledge	Risk of death during infancy Trend in the risk of death Inequalities Trend in inequality Geographic disparity Direct determinants Indirect determinants Diseases burden Cost of premature death Demographic implications Development implications	Requires further analysis of development information using analytical techniques.

Evidence-based development planning and programming requires development knowledge. Development data are necessary but not sufficient to generate development knowledge.

10.15.2   **Data needs for development planning and programming**

The case of child immunization

Development process	Type of inputs	Type of development data
Inputs	Vaccines Cold chain equipments Transport Training Money	Data related to the provision of vaccines, cold chain equipments, transport facilities, etc. Data related to training of personnel Data related to budgetary inputs to the immunization programme
Processes	Vaccination days Vaccination camps Immunization clinics Vaccination campaigns	Data related to the number of vaccination days, campaigns and camps organized against scheduled.
Outputs	Children vaccinated	Data related to the number of children vaccinated by different vaccines classified by region, social class, gender, etc.
Outcomes	Children fully immunized Children immunized as per schedule Children unimmunized	Data related to number of children - fully vaccinated, - partially vaccinated, - not vaccinated by different characteristics of children. Data related to unimmunized children.
Impact	Disease prevalence in - fully immunized, - partially immunized and - unimmunised children. Risk of death in - fully immunized, - unimmunized, and - partially immunized children.	Data related to the prevalence of vaccine prevalence diseases in - fully immunized, - partially immunized, and - unimmunised children. Data related to infant deaths by the status of immunization. Data related to live births.

Data needs for different components of development planning and programming process are different. Data integration is needed to link different data to generate evidence and knowledge.

10.15.3   **Estimation of State Domestic Product**

Inputs
Statistical Information on quantity and price data for various sectors of economy as mentioned below. This information is collected either through income approach, production approach or expenditure approach.

Agriculture, Livestock, Forestry, Fishing, Mining & Quarrying, Manufacturing, Electricity, Gas & Water Supply, Construction, Trade & HR, Real Estate & Business Services, Communication, Health, Education, Sanitation services and Public Administration.

Type of data: Quantity, Price, Operating surplus, data on expenditure on wages and salaries, No of Workers, Value added per worker, No of Industries etc;

Activities
The processing of data as collected for various agencies. The main agencies have been mentioned as below.

This information is collected from various agencies like directorate of Agriculture, Animal husbandry, Horticulture, Commissionerate of fisheries, Commissionerate of Geology and Mining, Annual Survey of Industries, Kolkata, Indian Bureau of Mines, Nagpur, Central Statistics Office, New Delhi, State Government Budget Documents.
Verification of information as received by comparing the same with the previous year.

Entering sector wise data in excel format. The sector wise worksheets are based on the guidelines of Central Statistics Office.

Output
Sector wise and Sub sector wise Gross Value added is calculated. This Gross value added is grouped into Primary sector, Secondary Sector and Services sector.

Thus grouped Primary, Secondary and Services sector estimates are aggregated to arrive at Gross State Domestic Product (GSDP) of Gujarat State as a whole.

From the Gross State Domestic Product, Consumption of Fixed Capital is deducted to arrive at **Net State Domestic Product (NSDP).**

From **Net State Domestic Product (NSDP)** mid financial year population is deducted to arrive at **Per Capita Income.**

This estimation is carried out at current as well as constant (2004-05) prices keeping in view of nullifying price changes.

Based on GSDP at constant Prices economy, growth is calculated.

Based on GSDP estimates at current prices, sectorial share is calculated.

Knowledge

GSDP is the single economic indicator used to understand the health of State economy.

Gross State Domestic Product gives information about the volume of the state economy.

Gross State Domestic Product used to evaluate various fiscal parameters like fiscal deficit, revenue deficit and public debt as percentage to GSDP at current prices.
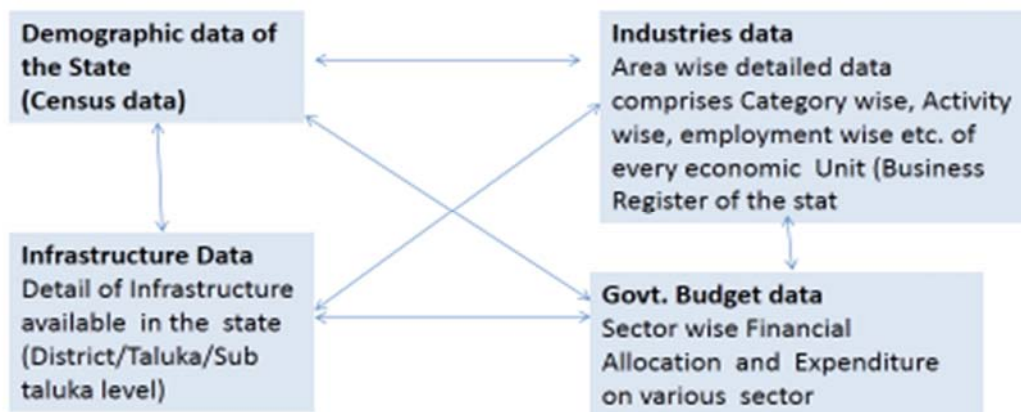
Net State Domestic Product (NSDP) gives an idea about consumption of fixed capital consumed and net value addition to the economy.

Estimation per capita income gives an understanding on the regional disparity

Based on GSDP at constant Prices economy, growth is calculated and this growth rate gives an indication on economic performance of the State along with various sector of the economy.

Sectorial composition of the economy gives a clarity on the performance and growth of the sector over a relatively larger period. For instance, during earlier times, share of Agriculture was substantial, now a days, it has reduced from 48 per cent in 1960-61 to 18 per cent 2011-12.

1) **Time Series Data**

Demographic data of the State (Census data)	Industries data Area wise detailed data comprises Category wise, Activity wise, employment wise etc. of every economic Unit (Business Register of the stat
Infrastructure Data Detail of Infrastructure available in the state (District/Taluka/Sub taluka level)	Govt. Budget data Sector wise Financial Allocation and Expenditure on various sector

Task:-
- Analysis of data calculate various development indicators from various databases mentioned above.
- To correlate the indicators calculated from different sectors of economy to study impact analysis, course analysis etc.
- Time series analysis of above data for estimation / forecasting / projection etc. for policy formation.

10.16. Information Related to Data growth, Database size etc.

DES works with the time series data. The same volume of data is required to be captured every year except for the census data. The periodicity of the census data is as under:
1.   Population Census: 10 years
2.   Economic Census: 5 years
3.   Live Stock Census: 5 Years
4.   Agriculture Census: 5 Years
5.   MSME Census: 5 Years
6.   Minor Irrigation Census : 5 years

The following table may help to guestimate the data growth. Information in the sheet is just for reference, there may be variation in the actual scenario

Sr. No.	Name of the Department /HoD	List of Statistical Data collected by the Office	Periodicity of Data	Granularity of the Data	Availability of Data since which year?	Name of the Website	Name of the Software/ Application , front end, back end platform	Detail of available Data Entry Online Module for the office?	Existing Data Size (In MB)	Estimated increment in data size
1	Industries Commissionerate, Gandhinagar	1. Details of regs. MSME units with information like name, NIC code, production, No. of emp. Etc.	Real Time	Village level	2006	www.ic.gujarat.gov.in	ASP.NET, SQL Server	yes	5500	500

Sr. No.	Name of the Department /HoD	List of Statistical Data collected by the Office	Periodicity of Data	Granularity of the Data	Availability of Data since which year?	Name of the Website	Name of the Software/ Application , front end, back end platform	Detail of available Data Entry Online Module for the office?	Existing Data Size (In MB)	Estimated increment in data size
		2. Production data of approx. 15000 units 3. Industries Census every five years								
2	Labour Commissionerate, Gandhinagar	Details of various logs, stricks, log outs, details of trad union etc.	yearly	district level	2001	http://labourandemployment.gov.in	data available in excel format	no	N.A.	N.A.
3	Directorate of Animal Husbandry, Gandhinagar	data of live stocks products like milk eggs,wool poultry, data of live stock census etc	yearly, seasonwise	district level	1983-84		data available in excel format	-	N.A.	N.A.

Sr. No.	Name of the Department /HoD	List of Statistical Data collected by the Office	Periodicity of Data	Granularity of the Data	Availability of Data since which year?	Name of the Website	Name of the Software/ Application , front end, back end platform	Detail of available Data Entry Online Module for the office?	Existing Data Size (In MB)	Estimated increment in data size
4	Directorate of Horticulture, Gandhinagar	Data of area of plantation and estimated production of different fruits, vegetables flower spices, condiments etc.	yearly	village level	1994-95	www.agri.gujarat.gov.in	-	-	N.A.	N.A.
5	Directorate of Agriculture	information on various agriculture crops like irrigated area, production information regarding fertilizers, rain fall tube wells etc. as per attached list	yearly, seasonwise	taluka Level	1960	www.agri.gujarat.gov.in	-	-	N.A.	N.A.

Sr. No.	Name of the Department /HoD	List of Statistical Data collected by the Office	Periodicity of Data	Granularity of the Data	Availability of Data since which year?	Name of the Website	Name of the Software/ Application , front end, back end platform	Detail of available Data Entry Online Module for the office?	Existing Data Size (In MB)	Estimated increment in data size
6	Commissionerate of Health Services, Gandhinagar	Birth & death registration, information about pragnent women and child till five years, information of mother and total report regarding treatment	yearly			1.www.badea.guj.nic.in, 2. http://e-mamta.gujarat.gov.in 3. GHMIS	data available in excel format		N.A.	N.A.
7	Development Commissionerate, Gandhinagar	data about panchayat and panchayat programme, shcemetic information available and accounts of district, taluka and village panchayat	monthly, quarterly, yearly	taluka level	2009	www.panchayat.gujarat.gov.in	e-gram developed by NIC	yes, developed by NIC	N.A.	N.A.

Sr. No.	Name of the Department /HoD	List of Statistical Data collected by the Office	Periodicity of Data	Granularity of the Data	Availability of Data since which year?	Name of the Website	Name of the Software/ Application , front end, back end platform	Detail of available Data Entry Online Module for the office?	Existing Data Size (In MB)	Estimated increment in data size
8	Commissionerate of Women & Children, Gandhinagar	Information of birth, death of children and women, detail of nutrition supply, schooling of children etc. details of anganwadies etc.	Real Time	Village level	-	www.wcd.nic.in	ASP.NET, SQL Server (GoI software)	it is being developed by NIC	N.A.	N.A.
9	Commissionerate of Tribal Development, Gandhinagar	data about trible sub plan, annual development programme, trible welfare, social welfare etc.	monthly, quarterly	district level	2008-09	-	-	Application is under development	N.A.	N.A.
10	Crime Record Bureau	data of IPC cases, CRPC cases,Distribution of accidental	monthly		1996	www.ncrb.nic.in			N.A.	N.A.

Sr. No.	Name of the Department /HoD	List of Statistical Data collected by the Office	Periodicity of Data	Granularity of the Data	Availability of Data since which year?	Name of the Website	Name of the Software/ Application , front end, back end platform	Detail of available Data Entry Online Module for the office?	Existing Data Size (In MB)	Estimated increment in data size
		death, theft and performance of ammunition etc.								
11	Commissionnerate of Technical Education, Gandhinagar	1. details of colleges, course, no. of students, enrollment, exam results, teaching staff etc. 2. detail of technical school and faculty etc.	yearly	district level	2006	-	data available in excel format	no	N.A.	N.A.
12	Commissionnerate of Schools, Gandhinagar (SSA) primary & Secondary	District wise information of Schools, students and teachers and infrastructure etc.	yearly	school wise village level	1960-61	http://cos.gujarat.gov.in	U-Dies	no	15000	5000

Sr. No.	Name of the Department /HoD	List of Statistical Data collected by the Office	Periodicity of Data	Granularity of the Data	Availability of Data since which year?	Name of the Website	Name of the Software/ Application , front end, back end platform	Detail of available Data Entry Online Module for the office?	Existing Data Size (In MB)	Estimated increment in data size
13	Commissionnerate of Transport,Gandhinagar	details of various registered vehicles, collection of tax, data of driving licence issued, types of vehicles, permit issued etc.	monthly	district level	2005-06	www.cot.gujarat.gov.in www.rto.gujarat.gov.in	Vahan Software for vehicles, Sarthi software for licence (Under development) developed by NIC. At present data available in excel format	no	N.A.	N.A.
14	Principal Chief Conservator of Forest, Gandhinagar	Data of wildlife census, tree census, Data of different forest quantity of timber and fuel wood, major & minor forest product produced etc collected	yearly	circle wise & district level	-	www.gujaratforest.gov.in	Excel	no	N.A.	N.A.

Sr. No.	Name of the Department /HoD	List of Statistical Data collected by the Office	Periodicity of Data	Granularity of the Data	Availability of Data since which year?	Name of the Website	Name of the Software/ Application , front end, back end platform	Detail of available Data Entry Online Module for the office?	Existing Data Size (In MB)	Estimated increment in data size
15	Commissionnerate of Registrar & Co-Operation	Data of co-operative societies etc.	yearly	district level	last two years		Excel	no	N.A.	N.A.
16	Commissionnerate of Fisheries, Gandhinagar	data of various fish, reverion fish production, fish market survey, fisherman census, information regarding fisher boat, boat registration, inland water resources, fish export details etc.	monthly	district level	-	-	-	-	N.A.	N.A.

Sr. No.	Name of the Department /HoD	List of Statistical Data collected by the Office	Periodicity of Data	Granularity of the Data	Availability of Data since which year?	Name of the Website	Name of the Software/ Application , front end, back end platform	Detail of available Data Entry Online Module for the office?	Existing Data Size (In MB)	Estimated increment in data size
17	Commissioner of Geology & Mining, Gandhinagar	Details of revenue income of leasing	monthly	district level	2010-11	www.geomining.gujarat.gov.in	ILMS(Integrated Lease Management System), .NET, SQL Server	yes, GNFC & TCS	5000	1000
18	Gujarat Municipal Finance Board, Gandhinagar	Data of income and expenditure of municipality with different head	yearly	municipality level	last five year	www.gmfb.in	Excel	no	100	20
19	Directorate of S.C. Welfare, Gandhinagar	data of all programmes of S.C.Welfare, information regarding hostels, ashram schools, adarsh nivasi school, mahila shivan varg etc. information	monthly	district level	1990-91	www.sje.gujarat.gov.in\dscw	e-kalyan, ASP.NET, SQL Server-2008, Mastech Ltd.	no	N.A.	N.A.

Sr. No.	Name of the Department /HoD	List of Statistical Data collected by the Office	Periodicity of Data	Granularity of the Data	Availability of Data since which year?	Name of the Website	Name of the Software/ Application , front end, back end platform	Detail of available Data Entry Online Module for the office?	Existing Data Size (In MB)	Estimated increment in data size
		regarding atrocity, civil rights and financial helps								
20	Commissioner Employment & Training, Gandhinagar								N.A.	N.A.
21	Commissionerate of Entertainment Tax, Gandhinagar	information of entertainment tax	monthly	district level	2005	-	-	no	N.A.	N.A.

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22	Commissionerate of Rural Development	Data of BPL, MGNREGA, watershed, Nirmal gujarat, mission mangalam, HGSY, IAEY etc	Real Time	district level		www.rural.nic.in, nrega.nic.in ieay.nic.in tsc.gov.in		Daily data entry is being done at district level in GoI's website www.rural.nic.in	N.A.	N.A.
23	Directorate of Food & Civil Supply, Gandhinagar	data of fair price shops, petrol, desiel, public distribution system etc.		district level		www.dcs-dof.gujarat.gov.in, www.ipds.gujarat.gov.in	-	-	N.A.	N.A.
24	Commissionerate of commercial tax								N.A.	N.A.
25	District Statistical Office, Gandhinagar								N.A.	N.A.
26	Taluka Panchayat, Gandhinagar								N.A.	N.A.

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27	Live Stock Census data	Detail information of live stock	five yearly	village level	2007	-	excel	-	200	200
28	Village Profile	detailed information og the village	yearly	village level	2010	-	Sql Server	yes, ASP.NET, SQL Server, BISAG	515	515
29	Education data (DIES)	details of schools, students etc	yearly	village level	2012	-	excel	-	20	20
30	BPL data	data of BPL people and family	yearly	village level	2003	-	excel	-	5	5
31	census-2011	data of population	10 yearly	village level	2011	-	Excel	-	30	30
32	Econmic Census			village level						
33	National Sample Survey (NSS) Data	National Sample Survey (NSS) Data Processing Software- Validation Software,	Round wise				C++, Visual Basic, MS Access		648	250

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		National Sample Survey (NSS) – Tabulation Software								
34	Price data	Wholesale Price Index / Consumer Price Index (WPI/CPI)	weakly	district level			PHP, MY SQL		15	15
35	Traffic census Data entry & Reporting Software						Visual Basic, MS Access		36	36
36	Service Record Card (Training Branch)						Visual Basic, MS Access		148	148
37	State Income Data entry & Reporting Software						Visual Basic, MS Access		237	237
								Total size	27454	7976