

COMMISSIONER OF COMMERCIAL TAX

(Government of Gujarat)

**TENDER DOCUMENT FOR PROVIDING
BUSINESS INTELLIGENCE TOOLS FOR
ANALYTICS BASED TAX ADMINISTRATION
AND COMPLIANCE MANAGEMENT**

November, 2016

Tender No.:- SW17112016115

BID PROCESSING FEE: Rs. 10,000/- (Non Refundable)

Bid Security/EMD: Rs. 30,00,000/- (Refundable)



Gujarat Informatics Ltd
Block no. 1, 8th floor, Udyog Bhavan,
Sector-11, Gandhianagar-382017, Gujarat
Ph No. 23259237, 23259240
Fax: 23238925.
www.gil.gujarat.gov.in

Last Date of Submission of queries: 22.11.2016 upto 1500 hrs.

Date of Pre-Bid Meeting: 28.11.2016 at 1500 hrs.

Last date of Submission of Bid: 09.12.2016 upto 1500 hrs.

Opening of Technical Bid: 09.12.2016 at 1600 hrs.

INDEX

SECTION I: INVITATION FOR BIDS (IFB)	3
SECTION II: INSTRUCTIONS TO BIDDERS (ITB)	5
A. INTRODUCTION	5
1 Sources of Funds	5
2 Pre-qualification Criteria	5
3 Eligible Goods and Services	7
4 Cost of Bidding	7
B. THE BIDDING DOCUMENTS	7
5 Contents of Bidding Documents	7
6 Pre-Bid Conference/Clarification of Bidding Documents	7
7 Amendment of Bidding Documents	7
C. PREPARATION OF BIDS	8
8 Language of Bid	8
9 Documents Comprising the Bid	8
10 Bid Form	8
11 Bid Prices	8
12 Bid Currency	9
13 Bid Security/Earnest Money Deposit	9
14 Period of Validity Bids	10
15 Format and Signing of Bid	10
D. SUBMISSION OF BIDS	10
16 Sealing and Marking of Bids	10
17 Deadline for Submission of Bids	11
18 Late Bids	11
19 Modification and Withdrawal of Bids	11
E. BID OPENING AND EVALUATION OF BIDS	11
20 Opening of Bids by GIL	11
21 Clarification of Bids	12
22 Preliminary Examination	12
23 Methodology & Criteria for Technical, Commercial and final evaluation	12
24 Contacting GIL/CCT	15
F. AWARD OF CONTRACT	15
25 Post-qualification	15
26 Award Criteria	16
27 CCT/GIL's Right to Accept Any Bid and to reject any or All Bids	16
28 Notification of Awards	16
29 Signing of Contract	16
30 Performance Security	16
31 Corrupt or Fraudulent Practices.	16
32 Interpretation of the clauses in the Tender Document / Contract Document	17
SECTION III: GENERAL CONDITIONS OF CONTRACT	18
SECTION IV: SERVICE LEVEL AGREEMENT (SLA) & PENALTY CLAUSE	29
SECTION V: PERFORMANCE SECURITY FORM	47
FORM I: Performance Statement	49
FORM II: Project Team	50
FORM III: Financial Bid	52
Form IV: Original Equipment Manufacturer (OEM)/Developer Authorization Form	55
Form V: Self-Declaration	56
SECTION VI: Technical Requirements Compliance	57
SECTION VII: Format of Earnest Money Deposit in the form of Bank Guarantee	78

SECTION I: INVITATION FOR BIDS (IFB)**COMPETITIVE BIDDING****FOR PROVIDING****BUSINESS INTELLIGENCE TOOLS FOR ANALYTICS BASED TAX ADMINISTRATION AND COMPLIANCE MANAGEMENT****SECTION I: INVITATION FOR BIDS (IFB)**

1. GIL on behalf of CCT invites bids from eligible bidders for providing business intelligence tools for analytics based tax administration and compliance management and related services.
2. Please note that this bid document is not for actual award of contract / work order but to call the rates as per the financial bid for providing business intelligence tools for analytics based tax administration and compliance management and related services.
3. Actual award of contract will follow the conditions as per this document. This document is given for enabling the bidders to know the tender conditions so as to guide them in filling up the technical bid and the quoting rates for providing business intelligence tools for analytics based tax administration and compliance management and related services.

Sl. No.	Information	Details
1.	Last date for submission of written queries for clarifications By e-mail on ID: vipulp@gujarat.gov.in	22.11.2016 upto 1500 hrs
2.	Place, date and time for Pre bid conference	28.11.2016 at 1500 hrs. Conference Room, Gujarat Informatics Ltd. Block No. 1, 8th Floor, Udyog Bhavan, Gandhinagar
3.	Last date and time for submission of Bid security/EMD & Bid Processing fees in GIL physically.	09.12.2016 upto 1500 hrs.
4.	Last date and time for submission of proposals (Technical and commercial) (Online)	09.12.2016 upto 1500 hrs.
5.	Place, date and time for opening of technical proposals	09.12.2016 at 1600 hrs. Conference Room, Gujarat Informatics Ltd. Block No. 1, 8th Floor, Udyog Bhavan, Gandhinagar

6.	Contact person for queries	Director (e-Governance), Gujarat Informatics Limited
7.	Address for communication	Director (e-Governance), Gujarat Informatics Ltd. Block No. 1, 8th Floor, Udyog Bhavan, Gandhinagar
8.	Place, date and time for opening of financial/commercial proposal	The place, date and time for opening of financial/commercial proposal will give to the technically qualified bidder later on.
9.	Bid validity	180 days

- All bids must be submitted online on <https://gil.nprocure.com> website

The bidder must submit the DD of **Rs. 10,000/-** towards tender processing charges and **Rs. 10 lacs** towards Bid Security amount in sealed cover.

The sealed cover should subscribe as **“Bid Processing fees & Bid Security/EMD for providing business intelligence tools for analytics based tax administration and compliance management and related services to CCT”**. Bid Processing fees & Bid Security must be in the form of Demand Draft in the name of “Gujarat Informatics Ltd.” payable at Ahmedabad /Gandhinagar along with the covering letter.

- Bid processing fees must be in the form of Demand Draft in the name of “Gujarat Informatics Ltd.” payable at Gandhinagar along with the covering letter.
 - Bid security/EMD shall be submitted in the form of **Demand Draft OR** in the form of an **unconditional Bank Guarantee (which should be valid for 9 months from the last date of bid submission)** of any Nationalized Bank (operating in India having branch at Ahmedabad/ Gandhinagar) in the name of “Gujarat Informatics Ltd.” payable at Gandhinagar (as per prescribed format given at **as per prescribed format given at SECTION VII**) and must be submitted along with the covering letter.
4. Technical Bids will be opened in the presence of Bidders’ or their representatives who choose to attend on the specified date and time.
 5. In the event of the date specified for receipt and opening of bid being declared as a holiday for GIL office the due date for submission of bids and opening of bids will be the following working day at the appointed times.
 6. Financial bids of only those bidders who qualify on the basis of evaluation of technical bids will be opened.
 7. Bid validity period is 180 days.

SECTION II: INSTRUCTIONS TO BIDDERS (ITB)**A. INTRODUCTION****1 Sources of Funds**

- 1.1 GIL on behalf of CCT is calling the Service Providers (SP) for providing business intelligence tools for analytics based tax administration and compliance management and related services to CCT.
- 1.2 The Work Order will be placed on the selected Service provider by CCT directly and the payment for the services mentioned in the said work order will be made directly by CCT from their own sources of funds as per the financial terms and conditions mentioned in this document. Unless otherwise specified in this document, GR No TSP-2004-808-DST dated 30/07/2004 of Department of Science & Technology and their subsequent amendments will be applicable to this bid.

2 Pre-qualification Criteria

Sr. No.	Pre-Qualification Criteria	Attachments
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 31.03.2016	Work Orders / Client Certificate confirming year and area of activity and Certificate of Incorporation.
2	The bidder must have valid CMM / CMMI Level 5 Certification.	Valid copy of the Certificate
3	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. 2 Crore each in last five years as on date of submission of the bid.	The bidder must submit details of such projects undertaken along with clients' completion certification/letter. The work order for end-to-end services will only be considered including supply, design, development, customization and operation & maintenance)
4	The bidder must have turnover of at least Rs. 30 Crore for each of the last three financial years or cumulative of Rs. 90 Crore as on 31 st March, 2016 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 as on 31 st March, 2016. Also, CA certificate mentioning turnover of Software/IT product Development and Support service activities of last 3 Financial Years as on 31 st March, 2016.
5	The bidder must give undertaking duly signed & sealed by Authorized Signatory that if this contract is	Relevant undertaking must be part of technical bid.

	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 CCT office at Ahmedabad.	
6	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.	Self-Declaration as attached
7	Bidder should not have violated / infringement of any Indian or foreign trademark, patent, registered design or other intellectual property rights.	Certificate / affidavit regarding non-violation / infringement of any Indian or foreign trademark, patent, registered design or other intellectual property rights.
8	<p>For OEM: “The Proposed BI 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 CCT. It should have adequate facilities and arrangement for support of solution for a period of at least three years.</p> <p>For Bidder: The bidder shall have experience for providing end-to-end services including supply, design, development, customization and operation & maintenance of at least one such project of BI Tools - COTS product in India. It is not necessary to have the experience of the same COTS proposed by bidder for this project.</p>	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.
9	The bidder should have a back-end support agreement/arrangement for services for BI tool support with the Original Equipment Manufacturers (OEMs) for the entire project period.	Form IV: Original Equipment Manufacturer (OEM)/Developer Authorization Form
10	The proposed BI, Data Integration, Data Quality and Advanced Analytics tools shall be in the leader’s quadrant of Gartner magic quadrant as of	Report need to be attached

	March, 2015.	
11	Compliance to the Technical Requirements, Scope of work, SLA and other terms & conditions of Tender	<ul style="list-style-type: none"> • Technical Requirements as SECTION VI • Compliance certificate
12	Technical compliance as mentioned in point no. 23 evaluation methodology	<ul style="list-style-type: none"> • Declaration from SI and OEM
13	No Consortium will be allowed.	-

All supporting documents are to be uploaded in our e-Tendering website <https://gil.nprocure.com>.

3 Eligible Goods and Services

- 3.1 All goods and ancillary services to be provided under the Contract shall have their origin in eligible source countries, and all expenditures made under the contract will be limited to such goods and services.
- 3.2 For purpose of this clause, “origin” means the place where the goods are from or from which the ancillary services are supplied. Goods are produced when, through manufacturing, processing or substantial or major assembling of components, a commercially recognized product results that is substantially different in basic characteristics or in purpose or in purpose or utility from its components.
- 3.3 The origin of goods and services is distinct from the nationality of the Bidder.

4 Cost of Bidding

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

B. THE BIDDING DOCUMENTS

5 Contents of Bidding Documents

- 5.1 The bid must be submitted online on <https://gil.nprocure.com>
- 5.2 The Bidder is expected to examine all instructions, forms, terms and specifications in the bidding documents and on <https://gil.nprocure.com>. Failure to furnish all information required by the bidding documents in format or submission of a bid not substantially responsive to the bidding documents in every respect will be at the Bidder’s risk and may result in rejection of its bid.

6 Pre-Bid Conference/Clarification of Bidding Documents

- 6.1 A prospective Bidder requiring any clarification of the bidding documents may seek clarifications of his/her queries submitted on the date indicated under section 1.2 of this document. GIL/CCT will respond to any request for the clarification of any bidding documents, which receives before date mentioned for submission of queries.

7 Amendment of Bidding Documents

- 7.1 At any time prior to the deadline for submission of bids, GIL may, for any reason, whether on its own initiative or in response to the clarification may change their bid online through <https://gil.nprocure.com>.

- 7.2 In order to allow prospective bidders reasonable time to consider the amendments while preparing their bids, GIL at its discretion, may extend the deadline for the submission of bids.

C. PREPARATION OF BIDS

8 Language of Bid

- 8.1 The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and GIL shall be in English language. Supporting documents and printed literature furnished by the bidder may be in another language provided they are accompanied by an appropriate translation of the relevant document in the English language and in such a case, for purpose of interpretation of the Bid, the translation shall govern.

9 Documents Comprising the Bid

- 9.1 The Technical Bid and Financial Bid must be submitted online through the e-Tendering website of <https://gil.nprocure.com> using digital signatures.
- 9.2 The bid documents and addendums (if any) together shall be considered as final and self-contained bid documents notwithstanding any previous correspondence or document issued by GIL

10 Bid Form

- 10.1 The Bidder shall complete the Technical Bid and a Financial Bid furnished with this document giving details as per the format mentioned in the e-Tendering website <https://gil.nprocure.com>.

11 Bid Prices

- 11.1 The Bidder shall indicate the prices in the format mentioned in Financial Bid.
- 11.2 Following points need to be considered while indicating prices:
- 11.2.1 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
- 11.2.2 The rates of any Indian duties, VAT and other taxes which will be payable by the Client on the goods(if any) if this contract is awarded, should be quoted separately;
- 11.2.3 Invoicing shall be from Gujarat only.
- 11.3 The Bidder's separation of the price components in accordance with the ITB Clause 11.2 above will be solely for the purpose of facilitating the comparison of bids by GIL and will not in any way limit the Client's right to contract on any of the terms offered.
- 11.4 Sharing of responsibility (between CCT and the bidder) of procurement of various types of software shall be as under:
- 11.4.1 The prices quoted shall be exclusive of the cost of operating and the licensed software required for actual running of applications developed (i.e. Operating system, database, system software).

- 11.4.2 CCT shall provide/procure the necessary licensed software as mentioned above, at the time of implementation.
- 11.4.2 CCT shall have all the rights to select any of the above options without justifying reasons thereof.
- 11.4.3 The price quoted shall be inclusive of customized development of solution as well as cost of all readymade (commercially available) application software packages, tools etc. used/proposed for the purpose (i.e all software other than those specified in Para 11.4.1 above). This shall also include the cost of integration with the existing application i.e. VATIS of CCT.
- 11.4.4 In case, the bidder choose to quote zero, nil or amount or blank, it will be his risk and the same shall in no way restrict the scope of the work.
- 11.4.5 The full IPR for the entire customized solution will rest with the CCT. The same would be applicable to copyrights. The TSP shall sign any/all the documents in this regard and hand over the source code, Meta data details etc. to the CCT before release of final payment on completion of training and implementation of solution.
- 11.4.6 Training:
- 11.4.6.1 The location of training may be decided mutually. Preferably may be done at central location or may be divided in four-five groups at different locations.
- 11.4.6.2 Duration to be decided by the bidder considering the satisfaction level of officials.
- 11.4.6.3 Size of the batch may be decided mutually. Preferably it will be 20-30 officials per batch
- 11.4.6.4 Department will provide the infrastructure for training viz. Conference room, Computers, Seating, Furniture, bandwidth Network, consumables like pens, white boards, projectors, chalk, duster, paper pins etc. for Training. The reference/training material will be provided by the bidder.
- 11.4.6.5 Topics to be covered is depend on the proposed solution.
- 11.4.6.6 It is up to bidders to decide whether they have to give digital training material or physical copy.
- 11.4.6.7 Training material should be in Gujarati.
- 11.4.6.8 After full-fledged training, the handholding Support will be provided remotely. In case, the issue not resolved, the bidder will have to arrange the support at particular site.

12 Bid Currency

- 12.1 Prices shall be quoted in Indian Rupees only.

13 Bid Security/Earnest Money Deposit

- 13.1 Bid security/ Earnest Money Deposit Rs. 30,00,000/- (Rupees Thirty Lakhs only) in the form of **Demand Draft OR** in the form of an **unconditional Bank Guarantee (which should be valid for 9 months from the last date of bid**

submission) of any Nationalized Bank (operating in India having branch at Ahmedabad/ Gandhinagar) in the name of "Gujarat Informatics Ltd." payable at Gandhinagar (as per prescribed format given at **as per prescribed format given at Section VII**) and must be submitted along with the covering letter.

- 13.2 Proposals not accompanied by EMD shall be rejected as non-responsive.
- 13.3 The successful bidder's bid security will be discharged from GIL only after the signing of the contract and submission of performance security.
- 13.4 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.
- 13.5 The EARNEST MONEY DEPOSIT shall be forfeited:
 - 13.5.1 If a Bidder withdraws its bid during the period of Bid validity specified by the Bidder on the Bid Form;
 - 13.5.2 Or in case of a successful Bidder, if the Bidder fails to sign the Contract; or to furnish the performance security.
- 13.6 No exemption for submitting the EMD will be given to any agency.

14 Period of Validity Bids

- 14.1 Bids shall be valid for 180 days after the date of bid opening prescribed by GIL. A Bid valid for a shorter period shall be rejected by GIL as non-responsive.
- 14.2 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 under ITB Clause 13 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.
- 14.3 Bid evaluation will be based on the bid prices and technical bid without taking into consideration the above corrections.

15 Format and Signing of Bid

- 15.1 The Bidders have to submit the bid on the e-Tendering website <https://gil.nprocure.com>. All supporting documents in the form of scanned copies submitted online should have sign and seal of the bidder.
- 15.2 Before filling in any of the details asked for. Bidders should go through the entire bid document and get the required clarifications from GIL during the pre-Bid conference.

D. SUBMISSION OF BIDS

16 Sealing and Marking of Bids

- 16.1 All bids must be submitted online through <https://gil.nprocure.com> as per the formats mentioned therein using digital signatures.
- 16.2 Telex, cable, e-mailed or facsimile bids will be rejected.

17 Deadline for Submission of Bids

- 17.1 Bids must be submitted online not later than the time and date specified in the Invitation for Bids (Section I). In the event of the specified date for the submission of Bids being declared as a holiday for GIL, the bids will be received up to the appointed time on the next working day.
- 17.2 GIL may, at its discretion, extend this deadline for submission of bids by amending the bid documents in accordance with ITB Clause 7, in which case all rights and obligations of GIL and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

18 Late Bids

- 18.1 Late bids will not be accepted.

19 Modification and Withdrawal of Bids

- 19.1 The Bidder may modify or withdraw his bid before the last date of submission of bids through the e-Tendering website <https://gil.nprocure.com>.
- 19.2 No bid may be modified subsequent to the deadline for submission of bids.
- 19.3 No bid may be withdrawal in the interval between the deadline for submission of bids and the expiration of the period of the bid validity specified by the Bidder on the Bid Form. Withdrawal of a bid during this interval may result in the Bidder's forfeiture of its bid security, pursuant to ITB Clause 13.

E. BID OPENING AND EVALUATION OF BIDS**20 Opening of Bids by GIL**

- 20.1 GIL will open all bids (only Technical Bids at the first instance), in the presence of Bidder or his representative who choose to attend, and at the following address :
- Gujarat Informatics Ltd, Block No. 1, 8th Floor, Udyog Bhavan, Gandhinagar.**
- 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 GIL office, the Bid shall be opened at the appointed time and location on the next working day.
- 20.2 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.
- 20.3 Bids that are not opened and read out at bid opening shall not be considered for further evaluation, irrespective of the circumstances.
- 20.4 Financial Bids of only those bidders who qualify on the basis of evaluation of eligibility and 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.

21 Clarification of Bids

21.1 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.

22 Preliminary Examination

22.1 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.

22.2 Prior to the detailed evaluation, pursuant to ITB Clause 24, 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 (GCC Clause 7), Warranty (GCC Clause 9), Applicable law (GCC Clause 37) and Taxes and duties (GCC Clause 39) will be deemed to be material deviations. GIL determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.

22.3 If a Bid is not substantially responsive, it will be rejected by GIL and may not subsequently be made responsive by the Bidder by correction of the non-conformity.

22.4 Conditional bids are liable to be rejected.

23 Methodology & Criteria for prequalification, Technical and Commercial evaluation

23.1 GIL/CCT 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/CCT, may, at its discretion, ask the bidders for clarification of their Technical Proposals.

23.2 The technical compliance would be evaluated as under for Eligibility Criteria no. 12 :

Areas	Benchmark		Compliance
	Capability	Tasks	
Information Delivery	Reporting	Creating Reports	
	Dashboards	Creating Charts	
	Ad-hoc Queries	Defining ad-hoc Queries	
Integration	BI Infrastructure	Security & Privileges	
	Metadata Management	Metadata Creation	
	Workflow & Collaboration	Information Sharing	
Analysis	Metadata Management	Common Metadata Repository	
	OLAP (Online Analytical Processing)	Drilling	
Data Management	Data Profiling	Data Reporting	
	Data Standardization	Data Correcting	
	Data Cleansing and De-duplication	Data Correcting	
	Data Transformations	Data Conversion	
	Data Validations	Data Authenticating	
	India Based Quality Knowledge Base	Data Quality	

Alert Management and Investigation	Identification of suspicious dealer profiles	Alert projection	
	Identification of localities/ regions	Alert projection	
	Comparative different predictive models	Alert projection	
	Trend extrapolation	Alert projection	
	Optimization of Alerts	Alert Projection	
	UI for Alert Investigation and triage, network visualization and alert disposition capabilities essential	User Interface	
Analytics Capabilities	Anomaly Detection & Cluster Analysis	Data Analysis & Fraud Detection	
	Network Analysis algorithms – community detection, centrality and short path	Data Analysis & Fraud Detection	
	Text Mining	Data Analysis & Fraud Detection	
	Predictive modeling capabilities (logistic, linear regression, decision trees and neural networks essential)	Data Analysis & Fraud Detection	
	Identification of best predictive model based on model comparison against different criteria	Data Analysis & Fraud Detection	
	Multi-level Hierarchical Forecasting	Ward/ Circle based Forecasting	

23.3 Technical & Presentation Evaluation: Only those bidders meeting the pre-qualification/Eligibility criteria will be evaluated as per the criteria mentioned below:

#	Criteria	Remarks	Marks
1	Bidder's 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/ongoing such Integrated IT projects in India involving all the phases of SDLC having minimum cost of Rs. 10 Crore each in last five years as on date of submission of bid. The bidder must submit copy of work order / work orders in this regard as proof.	Bidder's ability to implement large sized Software projects including supply, design, development, customization and operation & maintenance	25
	For 3 nos. of projects - 10		
	For 4 nos. of projects - 20		
	For 5 and above nos. of projects – 25		
2	Bidder's Experience for providing end-to-end services including supply, design, development, customization and operation & maintenance of at least one similar magnitude project having value more than 5 Crore project of in India. It is not necessary to have the experience of the same COTS proposed by bidder for this project.	Bidder's ability to implement BI Tools - COTS product in India	25
	Project value Rs. 5 Crore to Rs. 7.5 Crore - 10		
	Project value above Rs. 7.5 Crore to Rs. 10 Crore - 20		
	Project value above Rs. 10 Crore - 25		
3	Bidder's Experience of implementation/in progress of e-Governance (In Tax/Core banking domain) software solutions in India in last 10 years as on date of submission of the bid. The bidder must submit copies of work orders in this regard as proof.	Bidder's ability to implement e- Governance (In Tax domain/ Core banking domain) solutions in India	20
	Up to 1 nos. of projects - 05		
	Up to 2 nos. of projects – 10		
	3 and above nos. of projects - 20		
4	Proof of Concept (PoC) cum Presentation		30
	Scenario 1: In case of different OEMs, it will be mandatory to do the PoC by all the bidders. The evaluation will be done based on the following parameters		
	1.1 PoC evaluation Parameters		30
	Successful demonstration of : <ul style="list-style-type: none"> • Business Rules • Anomaly detection • A Statistical model • Circular Trading 	Demonstration capability of the solution	15
	Justification of Alerts: For the alerts provided through various methods, demonstrate evidence (supporting details, peer group comparison etc.) that the alerted entity (dealers or groups of dealers or addresses) is indeed suspicious.	Marks will be awarded on successful evidence provided against alerts and the ease of use of the user	15

	interface	
Scenario 2: In case of single OEM with multiple bidders, the PoC will be done by OEM and the evaluation will be done based on the following parameters		
2.1 PoC evaluation Parameters		10
Successful demonstration of : <ul style="list-style-type: none"> • Business Rules • Anomaly detection • A Statistical model • Circular Trading 	Demonstration capability of the solution	5
Justification of Alerts: For the alerts provided through various methods, demonstrate evidence (supporting details, peer group comparison etc.) that the alerted entity (dealers or groups of dealers or addresses) is indeed suspicious.	Marks will be awarded on successful evidence provided against alerts and the ease of use of the user interface	5
2.2 Presentation evaluation by each bidders		20
<ul style="list-style-type: none"> • Proposed team • Solution meeting the business requirements • Solution meeting the technical requirements • Integration Architecture • Clarity on solution offered • Implementation Approach & Methodology 	-	20
Total marks		100
Cut off marks to qualify for opening of financial bids		70
Note: The commercial bids of those bidders who got technical score of 70 marks will only be opened. The bidder having quoted lowest proposal will be invited for negotiations.		

23.4 **Financial Bid evaluation:** The commercial bids of those bidders who got technical score of 70 marks will only be opened. The bidder having quoted lowest proposal will be invited for negotiations.

24 Contacting GIL/CCT

24.1 Subject to ITB Clause 21, no Bidder shall contact GIL/CCT on any matter relating to its bid, from the time of the bid opening to the time of contract is awarded. If he wishes to bring additional information to the notice of GIL/CCT, he should do so in writing. GIL/CCT reserves its right as to whether such additional information should be considered or otherwise

24.2 Any effort by a Bidder to influence GIL in its decision on bid evaluation, bid comparison or contract award may result in disqualification of the Bidder's bid and also forfeiture of his bid security amount.

F. AWARD OF CONTRACT

25 Post-qualification

25.1 An affirmative determination will be a prerequisite for the award of the contract to the Bidder. A negative determination will result in rejection of Bidder's bid, in which event the department will proceed to the next

lowest evaluated bid to make a similar determination of the Bidder's capabilities to perform the contract satisfactorily.

26 Award Criteria

- 26.1 Subject to ITB Clause 28, CCT will award the contract to the successful bidder decided as per the evaluation procedure mentioned in ITB clause no. 23 mentioned above.
- 26.2 CCT reserves the right to award the contract to the Bidder whose bid may not have been determined as the lowest evaluated bid, provided further that the Bidder is determined to be qualified to perform the contract satisfactorily.

27 CCT/GIL's Right to Accept Any Bid and to reject any or All Bids

- 27.1 CCT/GIL reserve 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 GIL' action.

28 Notification of Awards

- 28.1 Prior to the expiration of the period of the bid validity, concerned CCT will notify the successful bidders in writing, to be confirmed in writing by registered letter, that his bid has been accepted.
- 28.2 The notification of award will constitute the formation of the Contract.

29 Signing of Contract

- 29.1 At the same time as CCT notifies the successful Bidder that its bid has been accepted, CCT will send the bidder the Contract Form, incorporating all the agreements between two parties.
- 29.2 Within 15 days of receipt of the Contract Form, the successful bidder shall sign and date the contract and return it to CCT.

30 Performance Security

- 30.1 Within 15 days of the receipt of notification of award from CCT, the successful bidder shall furnish the performance security in accordance with the Conditions of the Contract, in the performance security Form provided in the bidding documents or in another form acceptable to CCT/GIL.
- 30.2 Failure of the successful Bidder to comply with the requirement of the ITB Clause 29 & 30 or ITB Clause 31 can constitute sufficient grounds for the annulment of the award and forfeiture of the bid security in which event CCT may make the award to the next lowest evaluated bidder or call for new bids in consultation with GIL.

31 Corrupt or Fraudulent Practices.

- 31.1 CCT requires that the bidders under this tender observe the highest standards of ethics during the procurement and execution of such contracts. In pursuance of this policy, CCT 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 the public official in the procurement process or in contract execution; and
- b) "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or an execution of a contract to the detriment of CCT, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive CCT of the benefits of the free and open competition;

31.2 CCT shall reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices and same shall be conveyed to Dept of Science & Technology/GIL or black listed by any of the Department of Government of Gujarat in competing for the contract in question.

31.3 CCT shall declare a firm ineligible, and black listed either indefinitely or for a stated period of time, to be awarded a contract if it at any time determines that the firm has engaged in corrupt and fraudulent practices in competing for, or in executing, a contract. The same shall be conveyed to Dept of Science & Technology/GIL.

32 Interpretation of the clauses in the Tender Document / Contract Document

32.1 In case of any ambiguity in the interpretation of any of the clauses in Bid Document or the Contract Document, GIL's interpretation of the clauses shall be final and binding on all parties.

32.2 However, in case of doubt as to the interpretation of the bid, the bidder may make a Written request prior to the pre-bid conference to CCT / GIL

CCT/GIL may issue clarifications to all the bidders as an addendum. Such an addendum shall form a part of the bid document /Contract document.

SECTION III: GENERAL CONDITIONS OF CONTRACT**1 Definitions**

- 1.1 In this Contract, the following terms shall be interpreted as indicated:
- a) "The Contract" means the agreement entered into between CCT and the Supplier / service provider, as recorded in the Contract Form Signed by the parties, including all the attachments and appendices thereto and all documents incorporated by reference therein;
 - b) "The Contract Price" means the price payable to the Service provider under the Contract for the full and proper performance of its contractual obligations;
 - c) "Services" means to provide Business Intelligence Tools for Analytics Based Tax Administration and Compliance Management including customization as per requirement of CCT, testing, implementation, integration with VATIS application and maintain the solution and other obligations of the Supplier / service provider covered under the Contract;
 - d) "GCC means the General Conditions of Contract contained in this section.
 - e) "CCT(s) or Client(s) of "CCT" means Office of the Commissioner of Commercial Tax availing the service from the SP.
 - f) "The Client's Country" is the country named in GCC.
 - g) "The SP means service provider" means the individual or firm supplying the and / or Services under this Contract.
 - h) "Day" means a working day.
 - i) "Critical deliverables" means the deliverables supplies by SP
 - j) "Time required for approval" means the time lapsed between the date of submission of a critical deliverables (complete in all respect for all the business functions /services) and the date of approval excluding the intermediate time taken by the Service Provider for providing clarifications/modifications and communication.
 - k) "Software/BI Tools" means the base license tools provided by SP which can be customized as per requirement of CCT.
 - l) "Customized Solution" means the solution which is customized as per requirement of CCT using the core licenses tools provided by SP
 - m) The "Bid Document" and "Tender Document" are the same.

2 Application

2.1 These General Conditions shall apply to the extent that provisions in other parts of the Contract do not supersede them.

3 Country of Origin

3.1 All Services rendered under the Contract shall have their origin in the member countries and territories eligible i.e. India

3.2 The origin of Goods and Services is distinct from the nationality of the Supplier / service provider.

4 Standards

4.1 The software supplied under this Contract shall conform to the standards and when no applicable standard is mentioned; to the authoritative standard appropriate to the country of origin and such standards shall be the latest issued by the concerned institution.

5 Use of Contract Documents and Information

5.1 The service provider shall not, without CCT'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 service provider in performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.

5.2 The service provider shall not, without CCT's prior written consent, make use of any document or information enumerated in GCC Clause 5.1 except for purposes of performing the Contract.

5.3 Any document, other than the Contract itself, enumerated in GCC Clause 5.1 shall remain the property of CCT and shall be returned (in all copies) to CCT on completion of the service provider's performance under the Contract if so required by CCT.

5.4 The service provider shall permit CCT to inspect the service provider's accounts and records relating to the performance of the service provider and to have them audited by auditors appointed by CCT, if so required by CCT.

6 Patent Rights, Copy Right

6.1 The total service provider shall indemnify CCT/Gujarat Informatics Ltd 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.

6.2 When the TSP will develop any customized solution for CCT as part of project, then the copyright/IPR of that customized solution will be with the Gujarat Informatics Ltd/CCT. The bidder cannot sell or use (fully / partly) that software for his other customers without written consent from Government of Gujarat.

- 6.3 While passing on the rights (license) of using any customized solution, the TSP shall ensure that such rights are inclusive of the use of that Solution to customization as per requirement of CCT.

7 Performance Security

- 7.1 The successful Bidder has to furnish a security deposit so as to guarantee his/her (Bidder) performance of the contract
- 7.2 The Successful bidder has to submit Performance Bank Guarantee @ 10% of total order value within 15 days from the date of issue of Purchase order (for contract period + extra 3 months) from all Nationalized Bank including the public sector bank or Private Sector Banks or Commercial Banks or Co-Operative Banks (operating in India having branch at Ahmedabad/Gandhinagar) as per the G.R. no. EMD/10/2013/655/DMO dated 31.03.2014 issued by Finance Department or further instruction issued by Finance department time to time. (The draft of Performance Bank Guarantee is attached herewith).
- 7.3 The Performance security shall be payable to the CCT as compensation for any loss resulting from the SI's failure to complete its obligations under the Contract.
- 7.4 The Performance Security will be discharged by CCT and returned to the Bidder on completion of the bidder's performance obligations under the contract.
- 7.5 In the event of any contract amendment, the bidder shall, within 21 days of receipt of such amendment, furnish the amendment to the Performance Security, rendering the same valid for the duration of the Contract, as amended for further period.
- 7.6 No interest shall be payable on the PBG amount. CCT 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.

8 Inspection/Testing

8.1 Application :

- 8.1.1 CCT 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 CCT.
- 8.1.2 As per Govt. Of Gujarat circular dated 10th March 2006, the CCT applications must be tested at EQDC, GIDC, Gandhinagar or at the location specified by CCT 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
- Stress/Load testing
- Performance testing

8.2 Application Security Audit:

- 8.2.1 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.
- 8.2.1.1 The TSP must submit the test results to CCT.
- 8.2.1.2 Should any inspected or tested software fail to conform to the specifications, the CCT 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 CCT.
- 8.2.1.3 CCT'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 CCT for its representative prior to the software deployment.
- 8.2.1.4 No clause in the RFP document releases the TSP from any warranty or other obligations under this Contract.
- 8.2.1.5 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 CCT, 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 CCT is satisfied with the working of the software on the, the acceptance certificate of CCT will be issued. The date on which such certificate is signed shall be deemed to be the date of successful commissioning of the software.
- 8.2.1.6 Before the Application modules are taken over by CCT, the TSP shall supply operation manuals. These shall be in such details as will enable CCT 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 CCT.

- 9.1 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.
- 9.2 CCT 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:
 - 9.2.1 Designs, specifications, requirements of which software or service to be provided under the Contract are to be specifically developed / rendered for CCT;
 - 9.2.2 The place of delivery; and/or the Services to be provided by the TSP.
- 9.3 Training of personnel of the CCT in terms of hours/subjects will be without any additional cost.
- 9.4 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 CCT's change order.

10 Delivery of Documents

- 10.1 Customization/integration/implementation/integration of the software shall be made by the service provider in accordance with the terms specified by CCT in the Notification of Award.
- 10.2 Upon deployment of the solution / completion of the assigned work under the service, service provider shall notify CCT accordingly.

11 Deployment of Software

- 11.1 Service provider must deploy the solution at the places specified by CCT at the time of the contract and ensure smooth running of that solution. Service provider needs to provide all the necessary things like CD media, etc. at every deployment site for assuring minimum down time of the system.

12 Prices

- 12.1 Prices payable to the service provider as stated in the Contract shall remain firm and fixed during the performance of the Contract.
- 12.2 The prices quoted should not be conditional/optional and it should be in line with the technology and approach submitted by the Service Provider. The bidder should not submit conditional/optional bids. Conditional/optional bids are liable to be rejected outright.

13 Contract Amendments

- 13.1 No variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

14 Assignment

- 14.1 The service provider shall not assign, in whole or in part, its obligations to perform under the Contract, except with CCT's prior written consent.

15 Delays in the supplier / service provider's Performance

- 15.1 Delivery of the software and performance of the Services shall be made by the service provider in accordance with the time schedule specified by CCT in the contract document.
- 15.2 If any time during performance of the Contract, the service provider should encounter conditions impeding timely delivery of the Goods and performance of Services, the service provider shall promptly notify CCT in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the service provider's notice, CCT shall evaluate the situation and may, at its discretion, extend the service provider's time for performance with or without a penalty, in which case the extension shall be ratified by the parties by amendment of the Contract. Any such extension of time limit, even if it is due to unforeseen circumstances beyond control of both the SP and CCT, shall be at no extra cost to CCT.
- 15.3 Except as provided under GCC Clause 20, a delay by the service provider in the performance of its delivery obligations shall render the service provider liable to the imposition of a penalty pursuant to GCC Clause 18, unless an extension of time is agreed upon pursuant to GCC Clause 21(b) without the application of the penalty.

16 Termination for Default

- 16.1 CCT may, without prejudice to any other remedy for breach of contract, by one month advance written notice of default sent to the service provider, terminate the Contract in whole or part:
- 16.1.1 if the service provider fails to deliver any or all of the services within the period(s) specified in the Contract, or within any extension thereof granted by CCT; or
- 16.1.2 if the service provider fails to perform any other obligation(s) under the Contract.
- 16.1.3 If the service provider, in the judgment of CCT has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this Clause:

"Corrupt practice" means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution.

"Fraudulent practice: a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition;"

If the Service Provider fails to conform to the quality requirement laid down/third party inspection/consultants opinion.

17 Force Majeure

- 17.1 Notwithstanding anything contained in the tender, the SI shall not be liable for liquidated damages or termination for default, if and to the extent that, its delay in performance or other failures to perform its obligations under the agreement is the result of an event of Force Majeure.
- 17.2 For purposes of this clause, "Force Majeure" means an event beyond the control of the service provider and not involving the service provider's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- 17.3 If a force Majeure situation arises, the service provider shall promptly notify CCT in writing within 10 days of such conditions and the cause thereof. Unless otherwise directed by CCT in writing, the service provider shall continue to perform its obligations under the Contract as far as it is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure.

18 Limitation of Liability

In no event shall either party be liable for any indirect, incidental, consequential, special or punitive loss or damage including but not limited to loss of profits or revenue, loss of data, even if the party shall have been advised of the possibility thereof. In any case, the aggregate liability of the bidder, whatsoever and howsoever arising, whether under the contract, tort or other legal theory, shall not exceed the total charges received as per the Contract, as of the date such liability arose, from the Purchaser, with respect to the goods or services supplied under this Agreement, which gives rise to the liability.

19 Termination for Insolvency

- 19.1 CCT may at any time terminate the Contract by giving written notice to the Supplier / service provider, if the Supplier / service provider becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier / service provider, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to CCT.

20 Termination for Convenience

- 20.1 CCT by written notice sent to the service provider, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for CCT's convenience, the extent to which performance of the service provider under the Contract is terminated, and the date upon which such termination becomes effective.

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

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

20.2.2 To cancel the remainder and pay to the service provider an agreed amount for partially completed services / software and for services / software previously procured by the service provider.

21 Right to use defective software/equipment

21.1 If after delivery, acceptance and installation and within the guarantee and warranty period, the operation or use of the software/equipment proves to be unsatisfactory, the Purchaser shall have the right to continue to operate or use such software/equipment until rectification of defects, errors or omissions by debugging / repair or by partial or complete replacement is made without interfering with CCT's operation.

22 Supplier / service provider Integrity

22.1 The service provider is responsible for and obliged to conduct all contracted activities in accordance with the Contract using state-of-the-art methods and economic principles and exercising all means available to achieve the performance specified in the Contract.

23 Supplier / service provider's Obligations

23.1 The service provider is obliged to work closely with CCT's staff, act within its own authority and abide by directives issued by CCT.

23.2 The service provider will abide by the job safety measures prevalent in India and will free CCT from all demands or responsibilities arising from accidents or loss of life the cause of which is the service provider's negligence. The service provider will pay all indemnities arising from such incidents and will not hold CCT responsible or obligated.

23.3 The service provider is responsible for managing the activities of its personnel or sub-contracted personnel and will hold himself responsible for any misdemeanors.

23.4 The service provider will treat as confidential all data and information about CCT, obtained in the execution of his responsibilities, in strict confidence and will not reveal such information to any other party without the prior written approval of CCT.

24 Patent Rights

24.1 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 CCT, the service provider shall act

expeditiously to extinguish such claim. If the service provider fails to comply and CCT is required to pay compensation to a third party resulting from such infringement, the service provider shall be responsible for the compensation including all expenses, court costs and lawyer fees. CCT will give notice to the service provider of such claim, if it is made, without delay.

25 Site Preparation and Installation

25.1 CCT is solely responsible for the preparation of the sites in compliance with the technical and environmental specification defined by the service provider. CCT will designate the installation sites before the scheduled installation date to allow the service provider to perform a site inspection to verify the appropriateness of the sites before the deployment of software. This activity should be undertaken immediately after signing of the contract with CCT so that there is no delay in implementation of software due to site problems. The Hardware/software requirement report should be submitted within the first 30 days after signing of the Contract with CCT.

26 Time limit project

26.1 The total time limit for the successful customization & implementation of the solution as per requirement of CCT shall be six (6) months form the date of issue of work order which will be excluding the time required for approvals for the critical intermediate submissions. Time required for approval in normal circumstances may not exceed 20 working days for each such critical deliverables.

Stages of customization/Implementation of Solution	Maximum time Limit	Cumulative time Limit
Submission of BPR, URS, SRS & SDD Documents	1 months	1 months
Complete customization & deployment on user platform covering the requirements of CCT	4 months	5 months
Training & Hand holding support	1 month	6 months
Warranty Support after go-live	5 years	5 years & 6 months

27 Payment Schedule

#	Activity	Payment (%)
1	Part 1: Cost of BI Tools (This will includes the cost of OEM Certified professional to be deployed during the Design, development and implementation phase)	
	90% - Payment of BI tool shall be made on delivery of paper licenses	
	10% - Payment will be made after successful implementation	
2	Part 2 : Cost of Customization as per requirement of CCT for VATIS application	
	20% on completion of following activities: <ul style="list-style-type: none"> • Requirement gathering and submission of BPR • Submission of SRS, URS and SDD • Approval of SRS, URS and SDD from CCT 	
	20% on Customization/ Development, UAT and successful deployment on the user platform and Go-live of the complete solution	
	30% on completion of EQDC Testing & Security audit by CERT-In Empanelled security auditor 30% on completion of 3 Months after successful deployment of the user interface and go live subject to rectification of bugs and errors or deficiencies as brought out	
3	Part 3: Cost of Operation and Maintenance support for five years from the date of Go-live and data migration and	
	Part 4: Cost of AMC/ATS of BI Tools for five years	
Will be paid Quarterly after the end of each quarter.		
4	Part 5: Cost of Training	
	Will be paid batch wise completion of the training satisfactorily	
5	Cost of customization of tool for use with GST application	
	40% will be paid on Customization/ Development and UAT	
	60% will be paid on completion of 3 Months after successful Customization/ Development of the user interface and go live subject to rectification of bugs and errors or deficiencies as brought out	

28 Unconditional Bid

28.1 Bidders shall not put any condition of any kind in the Technical and Financial Bid, failing which the bid shall be rejected as non-responsive.

29 No Variable Cost in Financial Bid

29.1 Bids with the variable costs / rates shall not be considered and shall be rejected as non-responsive at the discretion of CCT.

30 Resolution of Disputes

30.1 In this regard CCT doesn't go for any arbitration on dispute and CCT's decision will be final and binding on the service provider.

31 Governing Language

31.1 The contract shall be written in English language. All correspondence and other documents pertaining to the Contract, which are exchanged by the parties, shall be written in the same language.

32 Applicable Law

32.1 The Contract shall be interpreted in accordance with the laws of the Union of India and that of State of Gujarat.

33 Taxes and Duties

33.1 Service providers shall be entirely responsible for all taxes, duties, license fees, octroi, road permits, etc., incurred until delivery of the contracted software / service to CCT. However, VAT/Service Tax in respect of the transaction between CCT and the service provider shall be payable extra, if so stipulated in the Notification of Award.

34 Binding Clause

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

SECTION IV: 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 CCT for the duration of the contract for providing Applications, Training, Operation and Maintenance support against the stated scope of work. CCT/GIL shall regularly review the performance of the services being provided by the TSP and the effectiveness of this SLA.

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 CCT and users. Uptime, in percentage, of any Central IT component can be calculated as:
$$\text{Uptime \%} = (\text{uptime}) / (\text{Total Time} - \text{Maintenance Time}) * 100$$
- "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 CCT and users and excludes the scheduled outages planned in advance for the CCT central IT infrastructure.
- "Incident" refers to any event / abnormalities in the functioning of CCT specified services that may lead to disruption in normal operations of CCT 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.

1.1 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 CCT 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.

1.1.1 Implementation related penalty of service levels

Development of Solution

These SLAs shall be strictly imposed and a software audit/certification shall be carried out at the sole discretion of CCT 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 customization of all the modules.	As per delivery Schedule	Critical	A Penalty of 1% of contract value of Software per week delay upto maximum of 10%.
Testing & UAT of all the modules.	As per delivery Schedule	Critical	A Penalty of 1% of contract value of Software per week delay upto maximum of 10%.
Product Training & Handholding Support of all the modules.	As per delivery Schedule	Medium	A Penalty of 1% of contract value of Software per week delay upto maximum of 10%.
Commissioning & Go-Live	As per delivery Schedule	Medium	A Penalty of 1% of contract value of Software per week delay upto maximum of 10%.

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 CCT. If delay exceeds maximum delay weeks at the particular milestone, CCT 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.

1.1.2 Operational Related Penalty

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 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.	>= 99%	INR 1,00,000 for every 12 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 more than 12 hours on a quarterly basis.

SECTION V: SCOPE OF WORK

Background:

The Gujarat Commercial Tax Department endeavours to be an enterprise-friendly entity through use of information technology. Use of analytics enables the department in achieving excellence in formulation and implementation of initiatives aimed at:

- Realizing the revenues in a fair, equitable and efficient manner
- Administering the Government's economic, tariff and trade policies with a practical and pragmatic approach
- Facilitating trade and industry by streamlining and simplifying Tax processes and helping Indian business to enhance its competitiveness
- Creating a climate for voluntary compliance by providing guidance and building mutual trust
- Combating revenue evasion, commercial frauds and social menace in an effective manner

Project Objective:

The objective of the project is to use the data management and analytical capabilities to address the following three areas of improvement:

- Reduce the tax gap and it holds a major potential in increasing the revenue
- Improve customer experience and compliance so that more and more dealers comply to the tax policies. The system would also use the data to provide insights that can be used for formulating compliance policies.
- Reduce the operating costs.

In the current scenario the department faces loss in revenue due to under-filing of taxes by citizens. Typically under-filers are identified by projects generated using rules. These projects do not exhaustively look at the entire tax-filer base to identify the best under-filers; they also do not have any way to rank order the tax-filers in terms of who would make most sense to go after and audit. Due to the statute of limitations and the limited amount of time for which state revenue departments are allowed to audit tax filings for under-filing, time is of the essence and it is very important to identify under-filers as quickly as possible with as few false-positives as possible.

The objective defined above can be met by focusing on the three value levers that are expected to be strengthened by the use of analytics. These value levers are:

- Policy Effectiveness
- Collections Effectiveness
- Cost Efficiency

Possible Fraud Scenarios:

In order to meet the above objectives, the Gujarat Commercial Tax department intends to implement the Information Analysis framework that would also help in detecting some complex fraud scenarios as stated below:

- **Circular Trading**
Multiple dealers come together and make transactions within themselves increase their turnover and get more credits from banks. The objective is to identify situations where the dealer makes use of their knowledge and enters sell orders knowing that those orders will be covered by purchase orders of similar size. This is also referred as On-paper transaction as no actual transaction has taken place in terms of exchange of goods by any dealer.
- **Reverse Linear Trading**
Multiple dealers perform Purchase Transactions in a chain and the first purchase does not get registered with the department. Since the first leg of the transaction is missing, the government loses out on tax.
- **Bogus Bills**
Dealers issue bogus bills and it's difficult to track how many other such bills have been issued by a certain dealer and to whom.
- **Fraudulent Interstate Transactions**
Dealers show partial interstate purchase against forms (e.g. 'C' Forms).
- **Sale to unregistered dealers**
Many dealers remain un-registered and even if they are registered, seller issues retail invoices, particularly in consumer goods, FMCG, etc.
- **Misuse of lump sum provision**
A manufacturer is not entitled for lump sum permission. Some of these dealers raise a trading sister concern firm and sell to that dealer at a very low profit margin.
- **Exceptional reports for C forms and refund**
Some dealers show purchase against forms and no sale in VAT.
- **ITC Misuse**
Dealers claim refund on the one side and on the other side carries forward his ITC.
- **ITC adjustment misuse**
Some dealers adjust balance of their ITC towards their CST liability and so do not pay CST in cash.
- **Assessment order and return**
Once an assessment order is passed, it may alter the balance of ITC carried forward. But the returns filed by the dealers are not altered.

Need of Commercial Tax:

While the VAT Information system is implemented, still there are following challenges faced by the Gujarat commercial Tax department:

- Irregularities in statement of Turnover/Tax
 - Identifying dealer in a commodity group stating less turnover to avoid sales tax.
 - Identify dealers claiming the undue exemptions and thereby paying less sales tax.
- Duplicate Dealer Names Data
 - Duplicate data of company/dealer names is causing problems in obtaining single view of the dealer.
- Identifying Unregistered Dealers

- Dealers appearing in the lists of other departments (like income tax) but not with the sales tax.
- Prediction of tax scenario, risk analysis, profile commodities and tax groups
- Lack of accurate revenue forecasting capabilities

The selected SI has to fully comply and provide all functional requirements through COTS application/ components of COTS application. The SI is expected to provide the following and should cover the details of each of the areas as part of the RFP response:

- Software licenses as per the proposed solution on the basis of the requirements as stated in the RFP.
- The technology proposed for Gujarat Commercial Tax Department's requirement should be supporting all Industry Standard **Operating System, Database and Hardware**.
- Hardware, Operating System and Database recommendations based on the proposed solution (this would include Hardware sizing, OS and Web application server). This will not be considered for evaluation. **Operating System, Database and Hardware** will be provided by the department basis the recommendation of the solution provider.
- Installation and setup
- Solution Implementation based on the scope stated in the document
- Post production support for five years after Go-Live
- The technology proposed for Gujarat Commercial Tax Department's requirement should be supporting all Industry Standard **Operating System, Database and Hardware**.

Indicative Sizing Parameters

Sr. No.	Particulars	Details
1	No. of Concurrent Users	
	● Admin User	50 users approx.
	● User Level	1000 users approx.
2	No. of Administrative Units	103 Units + 25 Range + 11 division + CCC = Total 140 Administrative Units
3	No. of Dealers – VAT	6,54,665 dealers
	No. of Dealers - CST	4,04,702 dealers
4	No. of Active Dealers –VAT	4,69,312 dealers
	No. of Active Dealers - CST	2,83,187 dealers
5	Frequency of Filing Returns	Monthly, Quarterly and Annually
6	Approx. Current Database size	2,545 GB
7	Approx. Database size increase in % year on Year	20%

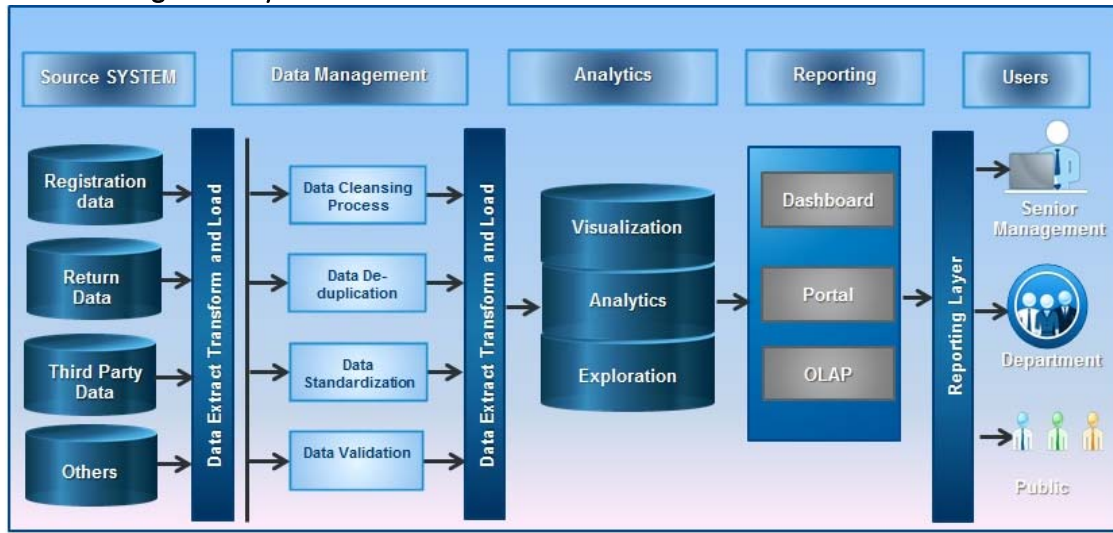
- Total Users
 - Internal : 2500 users
 - External : As above
- Concurrent Users
 - Internal : 25% of total users
 - External : 500 users
- Access of Application
 - Internal : Intranet
 - External : Internet

- Technology stack of VATIS Application
 - Front End : Java (Spring MVC and Hibernate)
 - Back End : Oracle
- Expected transaction volumes : Not possible to envisaged. Bidder need to estimate based on the No. of return processed in last years which are as under
- No. of returns are processed (Last year)
 - VAT : 35,43,293
 - CST : 24,05,420
- Peak usage periods
 - Monthly : MID of every month
 - Quarterly : Within 45 days after every quarters
 - Annually : Within 90 days after every year
- Indicative numbers of Table of VATIS : 1903 Tables

The framework would include the following capabilities:

1. Data consolidation from
 - Source system, (VATIS application and/or new application for GST)
 - Other government agencies like Income tax, GSTN, Excise, Customs etc.
2. Data Quality Solution
 - Get insight into data
 - Identify and detect Non-validated data
 - Standardize data
 - De-duplication of data to obtain Single View of the dealers.
3. Reporting solution to facilitate
 - Ad-hoc reporting
 - Data analysis
 - Report Distribution
4. Analytics based infrastructure to identify “Risky Dealers”
 - Identifying dealer stating less turnover to avoid sales tax.
 - Identify dealers claiming the undue exemptions and thereby paying less sales tax.
 - Identifying unregistered dealers
 - Identification of circular trading / linear reverse trading patterns
5. Alert Management and Investigation
 - Automated generation of alerts on suspicious activities of dealers
 - Risk Scoring of the alerts for prioritization of investigation
 - Provision of detailed information of the dealer activity to aid investigation
 - Application of multiple techniques to generate alerts like business rules, outlier detection, predictive modelling, text mining and network analytics
 - Ability to detect suspicious activity by generating alerts at various levels including transaction, dealer, commodity, geography and network of dealers
 - Self-learning capabilities to continuously update the risk score of the dealers, commodities, locations etc.
6. Capability to do accurate revenue forecasting and sensitivity analysis to access the impact of parameter changes on the revenue collection.
7. Allow the toll to access data from other Government department (e.g. NSDL) for improved analysis.

Indicative High-level system architecture



The indicative high level architecture illustrates the requirement for a layered architecture having the following layers:

Source System Layer – This would primarily consist of the commercial tax operational application i.e. VATIS, TINXYS and third party data like PAN numbers, electricity consumption etc. which would be in the CSV format, and/or GST software to be develop by GSTN and Government of Gujarat.

Data Management Layer – The data management layer would perform the following functions:

- Integration with source applications to get the data in batch mode
- Data Profiling
- Data Standardization
- Data Cleansing and De-duplication
- Data Transformations

Analytics Layer – Analytics layer would provide all the analytical capabilities to cater to the functional requirements as stated in the RFP document.

Reporting Layer – The reporting layer would provide capabilities of generating reports and dashboards and provide interface for the users to access and analyze information in a flexible and secured manner. The indicative list of reports and dashboards are stated in the section of functional requirements of the RFP.

Functional Requirements:

Data Mining

- System shall enable GCT to detect patterns and select parameters to be assessed.
- System shall compute a rating related to revenue reliability (risk rating) of the dealer based on registration information
- System shall enable assessment of registration details for determining / modifying risk profile rating and to detect fraudulent dealers
- System shall enable rule based / cluster analysis for profile grouping and profile matching
- System shall support assessment /modification of dealer profile risk rating, supplier side risk rating and customer side risk rating based on default history of a particular dealer
- System shall allow GCT to perform analysis of zero filers and cross check / correlate zero filer information and external sources of data
- System shall allow alerts to be generated whenever flagged dealers or dealers with high risk rating are present among the zero filer / non filer list
- System shall support selection of criteria for deciding level of audit activity and frequency of audit so that yield per audit (revenue collected through audit) is maximized
- System shall support detection of patterns so that criteria for various thresholds can be reviewed and modified
- System shall support selection of criteria for Identification of cases for special Business audit.
- System shall support impact analysis of selection criteria on coverage across registered dealers (through supply-side and demand-side analytics). [Once a dealer is audited, details of suppliers and customers are also subject to scrutiny. This enables greater coverage across the supply-side and demand- side chain of the dealer. If this is recognized by the system, then the selection of dealers for Business Audit can be done more intelligently].
- System shall support selection of criteria for Identification of cases / thresholds for large tax payers.
- System shall support selection of criteria for classification of large tax payers dealers under several groups
- System shall have the capability to assist the GCT to define the criteria for prioritization of cases for Refunds Audit and assist pre audit preparation.
- The system shall have capability to perform analysis to define criteria / parameters for identifying fraudulent transactions and evasion of taxes regarding suspected / manipulated / false tax invoices or Hawala transactions.
- System shall enable utilization of the information from several sources for analysis and tracking patterns/ trends of form consumption across regions and commodities, especially for interstate trade
- System shall support detection of different types of concealment patterns
- System shall be scalable to incorporate any additional functional requirements and application of analysis capabilities of the Data Mining tools, as required by the CCT in

the future.

Data Analysis

- System shall enable identification of typical dealer profiles (of the Hawala dealers). Rule based analysis could be performed to identify such profiles. Some of the rules / patterns are as follows:
 - ✓ Registration details such as address, telephone number are repeated across several registered businesses
 - ✓ The area codes of telephone numbers do not match with the address that are given during registration
 - ✓ There are anomalies in successive returns during the year (for example, very high sales are depicted in a quarter followed by Nil demand in the next quarter)
 - ✓ Ratio of value of turnover to tax paid is usually very high, because there is high set-off through Input Tax Credit
 - ✓ The value of turnover is very high when compared to the age of business.
 - ✓ The bill amounts issued by these businesses are usually very large and the bill amount is round numbers.
 - ✓ Turnover is not consistent across successive periods
 - ✓ The registered business deals with multiple, unrelated commodities
- System shall allow officers to verify PAN of persons reported under business details to earmark and identify PANs of individuals that are involved in fraudulent practices
- System shall allow identification of localities/ regions where high numbers of risky dealer profiles are detected.
- System shall enable assessment of dealer profiles on a case-by-case basis.
- Rule based analysis could improve procedures for identification of suspicious dealers and reduce subjectivity and delays
- System shall have capability to generate analytical reports on the basis of defaulter history (across non-filers, defective, zero and short filers)
- System shall support analysis of amendment and cancellation history associated with a particular PAN / Address.
- System shall have capability to generate analytical reports on the basis of defaulter history (across non-filers, defective and short filers)
- System shall support assessment /modification of dealer profile risk rating, supplier side risk rating and customer side risk rating based on default history of a particular dealer
- System shall support analysis of voluminous returns data to identify patterns and determine risk rating / revenue reliability of a particular dealer
- System shall support ad-hoc querying of the voluminous returns data such that Gross Turnover of Sales/Purchases, Input tax credits, tax paid , deduction claimed etc can be analyzed by the GCT
- System shall allow cross-check of returns details specific to a given period
- System shall generate configurable reports listing dealers that are outside 'mark-up'

thresholds (in terms of number of standard deviations).

- System shall enable tracking a dealer post audit, it is required to ear-mark such dealer profiles in the system and to generate reports for that dealer and his associated dealers (suppliers and customers).
- System shall support assessment /modification of dealer profile risk rating, supplier side risk rating and customer side risk rating based on default history of a particular dealer
- System shall enable officers to identify areas of scrutiny and further questioning during the pre-audit preparation through desk audit
- System shall allow verification and cross check of facts provided by a dealer with information of suppliers, dealers and information from other external agencies could enable a more comprehensive audit procedure
- System shall enable identification of cases for further Business Audit identified as a result of audit of large tax payer dealers.
- System shall support analysis of the groups of dealers and comparison with economic activity and growth in that industry
- System shall support analysis for determining excepted revenue (targets) from large tax payers groups based on economic activity and industry performance
- System shall support analysis to determine causes of gap in revenue collected and expected targets
- System shall enable Audit officers to identify areas of scrutiny and further questioning during the pre-audit preparation
- The system shall have capability to confirm filing of returns by all the suppliers of the refund claiming dealer
- The system shall have capability to identify the cases for which Refund Audit may not be required. Such cases are identified on the basis of criteria such as following. The system shall provide capability for users to define their own criteria for identifying cases for refund audit. The sample criteria for dealers who may not require refund audit is below:
 - ✓ If the refund audit is completed by the refund audit branch of such dealers for any previous period and no substantial reduction in refund amount is noticed after the refund audit.
 - ✓ If the dealer is a manufacturer.
- The system shall have capability to perform trend analysis for refund cases generating reports with the following parameters:
 - ✓ TIN
 - ✓ Dealer Category
 - ✓ Industry
 - ✓ Refund Type
 - ✓ Commodity / Activity Code
 - ✓ Refund Period
 - ✓ Application period
 - ✓ Refund Amount
 - ✓ Refund Reduction amount

- ✓ Location
 - ✓ Division
 - ✓ Refund Recovery
- The system shall have capability to configure the trend analysis functionality on the basis of parameters to be defined by GCT.
 - For the Input Tax Credit asked by the dealer, the system shall have capability to verify the transaction of dealer's suppliers for the confirmation of equivalent tax being deposited in Government Treasury.
 - The system shall have capability to receive and analyze the data for:
 - ✓ Customer wise VAT sales
 - ✓ Supplier wise VAT sales
 - ✓ Customer wise debit note or credit note
 - ✓ Supplier wise debit note or credit note
 - ✓ Transaction wise VAT sales to customers
 - ✓ Transaction wise VAT purchases from suppliers
 - The system shall have capability to produce desk report for Cross-check official. The report shall have following functionality:
 - ✓ If claimant dealer acts as Purchaser, supplier-wise dealer's details can be obtained.
 - ✓ If claimant dealer acts as Seller, Customer-wise dealer's details can be obtained.
 - ✓ If claimant dealer is a purchaser, corresponding details for net taxable amount and tax amount shall be from Customer-wise details filed by actual suppliers i.e. as per TIN selected.
 - ✓ If claimant dealer is a Seller, corresponding details for net taxable amount and tax amount shall be from Supplier-wise details filed by actual customers i.e. as per TIN selected.
 - The system shall have capability to produce Analytical report for state wide details and dealer wise details. The report shall have following functionality:
 - ✓ Analytical report will provide details for all the dealers in a single report with facility to filter on the basis of claimant dealer acting as purchaser or seller.
 - ✓ For claimant dealer, total number of corresponding Actual Suppliers/ Customers, total taxable amount and net tax shall be displayed
 - The system shall have capability to provide linkage between Analytical report and Desk report.
 - The system shall have capability to match sales and purchase transactions on the basis of e-Annexure data filled by claimant dealer:
 - ✓ In case of Match Purchase, report shall show matched tax amount which is the amount of Vendor permissible.
 - ✓ In case of Match Sales, matched sale amount is the taxable turnover of Sale &

matched tax amount is the tax payable which is shown separately in the invoices.

- The system shall have capability to perform analysis and produced reports of the following:
 - ✓ Dealer has not accounted transaction (for Cross-check)
 - ✓ Dealer is return defaulter
 - ✓ Dealer has filed return but failed to pay taxes
 - ✓ Dealer has issued bogus or Hawala invoices
- The system shall have capability to modify the Risk Rating of dealer on the basis of the Cross-check negative report.
- The system shall have capability to properly filter, study and analyze the information received from third party - Government, quasi-Government, public and private organizations - for identification of cases for Investigation.
- The system shall have capability to identify cases for new dealers for whom the turnover is increasing at very fast rate. Such dealers are likely to be part of fraudulent dealer network.
- The system shall have capability to obtain data from banks for identification of true fund flow information. This data can be a pointer for identification of hawala dealers.
- The system shall have capability to segregate dealers on the basis of demographics. E.g. identification of dealers who have provided addresses in slum areas, dealers showing original address in other state etc. These dealers are also candidates for hawala dealers or part of fraudulent dealer network.
- The system shall have capability of cross-checking of transactions and business relationships of fraudulent dealers and identify circular transactions within a set of dealers.
- The system shall have capability to highlight investigation cases on the basis of configurable parameters / criteria. Some of the criteria are mentioned below which needs to be configured in the system:
 - ✓ Highlight cases where dealer has made repeated mistakes in totaling of sales and purchase in the books of accounts and summary assessment
 - ✓ Highlight cases where various types of deduction claims made by dealer are high when compared to overall turnover
- The system shall have capability to estimate the liability of the dealer to pay tax or any other sum payable and accordingly revise the dealer risk rating.
- The system shall have capability to generate MIS reports regarding Ageing of recovery cases: This report should provide date of identification of the arrear, category of arrears, number of elapsed days since identification of the arrear, amount of arrear as on date of identification, amount of arrear as on date of the report (in case any penalties and/or interest has been levied)
- The system shall provide MIS Reports on trends in arrears and recovery cases: This report should provide details of amounts of arrears at the beginning of the month, new arrears identified during the month, amount of arrears paid during the month and balance arrears at the end of the month.

- The system shall provide decision support tools to allow prioritization of collection activities on the basis of:
 - ✓ Amount of recovery
 - ✓ Ability of dealer to pay the tax recovery as gathered from various sources
- System shall enable Data mining for detection of patterns for commodities and regions where occurrence of unregistered dealers is higher
- System shall be able to load information to enable comparison and validation with central repository data
- System shall support ad-hoc querying to enable verification of returns and reports submitted by dealer with the central repository data
- System shall generate periodic, dealer-wise, location-wise and form- wise analytical reports of the Central repository branch
- System shall highlight cases where value of forms issued is greater than declaration by dealer
- System shall support analysis of cases to determine patterns that may help the department in optimizing existing resources and reducing pending cases
- The system shall have capability to generate scores for different dealers based on the formulae and select cases with higher scores. Objectives of this risk based assessment are:
 - ✓ Targeting high risk dealers
 - ✓ Identifying non-compliance at an individual dealer level
 - ✓ Gathering information on trends within a specific sector / industry /commodity
- The system will have capability to trigger cases separately for return defaulters and inconsistent return (totally errors)
- The system shall have capability to identify the cases for assessment on the basis of historical trends like:
 - ✓ Continuously filing nil returns.
 - ✓ Gross profit ratio.
- The System shall allow for importing datasets from various miscellaneous sources to be imported and compared (matched) with the existing registration data
- System shall support matching of dealer profiles to corresponding profiles in VAT system to enable quick validation of claims
- System shall enable ad-hoc querying to enable generation of reports on region wise and commodity wise basis. Drill-down functionality up to individual dealer level / division level information should be enabled.
- System shall support dynamic analysis to enable target setting based on region / commodity wise trends, seasonality and business cycles patterns
- System shall enable user to create customizable reports and performing ad- hoc querying, particularly to find similar or related appeals and appeals history for a particular dealer
- System shall enable division is to flag the dealers that have been registered under a particular scheme and to perform analysis of returns of these dealers a group

- System shall support dynamic analysis to enable Tax Revenue target setting based on region / commodity wise trends, seasonality and business cycles patterns
- System shall support assessment of impact of a particular policy decision on the tax revenue, workload on a particular office location / region, impact on a particular group of dealers
- System shall be scalable to incorporate any additional functional requirements and application of analysis capabilities of the BI tools, as required by the GCT in the future.

Alert Management and Investigation

- The solution should enable officers to not just identify the entity against whom the alert was created, but also related alerts, related entities and their interlink ages.
- System shall enable assessment of dealer profiles on a case-by-case basis based on a prioritized list in order to reduce subjectivity and delays
- System shall enable officers to identify areas of scrutiny and further questioning during the pre-audit preparation through desk audit
- System shall allow verification and cross check of facts provided by a dealer with information of suppliers, dealers and information from other external agencies could enable a more comprehensive audit procedure
- System shall identify the risks associated with a given set of dealers or commodities
- System shall enable identification of cases for further Business Audit identified as a result of audit of alerted dealers.
- System shall support analysis of the groups of dealers and comparison with economic activity and growth in that industry
- System shall allow alerts to be generated whenever flagged dealers or dealers with high risk rating are present among the zero filer / non filer list
- System shall support detection of patterns so that criteria for various thresholds can be reviewed and modified.
- System shall support selection of criteria for Identification of cases for special Business audit
- System shall have capability to define the criteria for selecting the cases for investigation where search and seizure may be required. These criteria need to be configured on the basis of combination of various parameters which will be decided by the department unit.
- System shall be scalable to incorporate any additional functional requirements and application of additional niche analysis capabilities (such as text analytics etc.) of the Data Mining tools
- Solution should have ability to assign risk / fraud scores at various levels of aggregation such as at a transaction level, dealer level (aggregate of transactions and demographic / relationship information) or at a network level
- Alerts currently in operation should be configurable and can be activated / deactivated as per need
- Solution should route alerts to the appropriate investigator / person/group
- Solution should have advanced routing rules to route along any data event
- Solution should have capability to reduce redundant alerts
- Solution should have capability to group alerts into single entity actionable events

- Understanding of alert performance in terms of true positives / false positives etc. should be assessable and measurable through reports
- Department should be able to action alerts by routing, emailing, closing or other events
- Analyst should be able to make notes in alerts
- Alert management team should be able to electronically upload custom watch lists for use in the application
- The solution can monitor changes in dealer / taxpayer demographic data as per the applicable watch list
- The solution should support various types of matches such as exact / fuzzy match etc. with the watch list
- The application should have functionality to “flag / unflag” entities as and when they are added to / removed from a watch list

Data Reporting

The system shall support dashboards for each of the divisions and any other nomenclature as may be defined in GST regime. The KPIs for each of the divisions include the following:

Sr. No.	Name of Division	KPIs
1.	Registration	<ul style="list-style-type: none"> ▪ Total number of registered dealers (across regions, dealer type, commodity type, dealer risk rating etc.) ▪ Percentage of Canceled registrations ▪ Applications and approval rate
2.	Returns	<ul style="list-style-type: none"> ▪ Average number of days taken to identify and notify Short filers and Non-filers ▪ Number of live dealers who have to file a particular type of return (Monthly, Quarterly, Six Monthly, Annually) by period, by region ▪ Number of defaulters by type of return, by period, by region
3.	Business Audit	<ul style="list-style-type: none"> ▪ Business Audit coverage (No. of cases audited across each risk category) ▪ Number of defaults detected in Business Audit, by default types (masters have been defined, but not implemented) ▪ Number of Pending Cases by region, by period, by commodity ▪ Outcome of audits (under declaration, refund reduction) by region, by period, by commodity
4.	Tax Collection	<ul style="list-style-type: none"> ▪ Number of audit findings under each defect type (master has to be defined). ▪ Ratio of Turnover (as per returns) to total value. ▪ Ratio of value of Turnover to Tax liability (as per returns) ▪ Ratio of value of Turnover to Tax paid ▪ Ratio of Input credit to tax paid ▪ Turnover growth in last three periods

5.	Refund	<ul style="list-style-type: none"> ▪ Number of refund applications received by region, by period, by commodity ▪ Number of refund audits conducted by region, by period, by commodity ▪ Number of refund applications disposed by region, by period, by commodity ▪ Number of refunds granted during a particular period across types of dealers ▪ Number of refunds pending and reasons for pendency during a particular period across types of dealers and across regions ▪ Number of claims processed
6.	Cross-check	<ul style="list-style-type: none"> ▪ Number of cases identified for mismatch in Vendor claims ▪ Number of cases identified for Hawala / fraudulent dealers ▪ Number of mismatch cases ▪ Gap between expected and collected tax ▪ Progressive amount recovered through revised returns filed up to the end of month
7.	Enforcement/ Investigation	<ul style="list-style-type: none"> ▪ Number of orders passed (by region, by period, by commodity, with drill down to dealer level information) ▪ Investigation cases pending (by type, by region, by period, with drill down to desk level information) ▪ Number of cases closed (by region, by period, by commodity, with drill down to dealer level information)
8.	Recovery	<ul style="list-style-type: none"> ▪ Percentage of amount recovered against total recovery amount. ▪ Percentage of recovery notices served for eligible cases during a particular notice period (by period, by region, by commodity, with drill down up to desk level information) ▪ Progressive Recovery done up to the end of month ▪ Recovery pending ▪ Number of Cases transferred to/from each of the other departments
9.	Audit Report	<ul style="list-style-type: none"> ▪ Percentage cases audited ▪ Number of Exceptions identified
10.	Appeals	<ul style="list-style-type: none"> ▪ Trend of appeals over a period of time ▪ Ratio of resolutions vs appeals ▪ Amount resolved in appeals ▪ Average days to resolution

11.	Others	<ul style="list-style-type: none">▪ Amount of declared Purchase / sales reconciled▪ Ratio of Input Tax Credit to Purchases▪ Ratio of Inter-state to Intra – state purchases▪ Total Tax / VAT liable amount▪ Total Tax / VAT collections (actual)
-----	--------	--

SECTION V: PERFORMANCE SECURITY FORM

(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 _____ 2015

Signed and delivered by

For & on Behalf of

Name of the Bank & Branch &
Its official Address

FORM I: 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	

FORM II: 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: _____

FORM III: 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.	Cost of BI Tools (This will includes the cost of OEM Certified professional to be deployed during the Design, development and implementation phase) – Part 1	
2.	Cost of Customization as per requirement of CCT for VATIS application – Part 2	
3.	Cost of Operation and Maintenance support for five years from the date of Go-live and data migration – Part 3	
4.	Cost of AMC/ATS of BI Tools for five years– Part 4	
5.	Cost of Training – Part 5	
6.	Cost of customization of tool for use with GST application	
Grand Total (Rs.)		

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 6 will be considered.
4. The no. of users to be trained are indicative. It may increase or decrease 10%.

Signature

Name

Date

Seal

Place

Part 1: Cost of BI Tool (This will includes the cost of OEM Certified professional to be deployed during the Design, development and implementation phase) -COTS

Sr. no.	Item Description	Total amount (Without Taxes) (Rs.)	Taxes (Rs.)
1.	Business Analytics Solutions (Data Integration, Data Quality, Analytics)		
2.	Business Intelligence		
3	Alert Management and Investigation		
4	OEM Certified professional to be deployed during the Design, development and implementation phase		
Grand Total (Rs.)			

Part 2: Cost of Customization of BI Tools – COTS 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 3 – Cost of Proposed manpower for Operation & Maintenance support for five 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 = A * B	H = A * C	I = A * D	J = A * E			K = A * F
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 manpower w.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 4: Cost of AMC/ATS of BI Tools for five years

Sr. no.	Item Description	Total Cost (Rs.)					Total Amount (Without Taxes)	Taxes (Rs.)
		Y1	Y2	Y3	Y4	Y5		
		G	H	I	J	K	L=(G+H+I+J+K)	
1.	Business Analytics Solutions (Data Integration, Data Quality, Analytics)							
2.	Business Intelligence							
3.	Alert Management and Investigation							
Grand total (Rs.)								

Part 5: 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	50			
2.	User Level	1000			
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.

Form IV: 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 hold IPR of customized BI Tool 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.

Form V: 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 services 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 by any Govt. Department or its. PSU in Gujarat Government in the past 5 years, ending on 31st March, 2016. 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 Govt. Department or it's PSU in Gujarat regarding any supply and contracts with our firm/company.

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 _____ 2016

Signature: _____

(in the Capacity of) : _____

SECTION VI: Technical Requirements Compliance

General - Integrated Solution	Yes/No	Comments
The suite should have a robust Extract Transform Load tool.		
The ETL tool should provide integrated data quality		
The suite should have storage capability for multidimensional analysis (OLAP cubes or similar) and Statistical Analysis.		
The suite should provide Web based Reporting; Web based creating & reporting with customizable performance management web portal.		
The suite should provide Time Series Analysis, Statistical Analysis, Econometric Modeling and Data Mining.		
All the tools in the suite should be integrated with common metadata and provide a single point management interface of ETL Jobs, OLAP Cubes, Reports, Data Elements, Analytical Models, Forecasting Models, Data Mining and Access controls.		
The suite should have a sophisticated data mining workbench with support for predictive analytics.		
Standards Compliant		
The suite should be compatible with Common Warehouse Model		
The suite should be compatible with ODBO and OLE-DB		
The suite should be compatible with XML and XRML		
The suite should be compatible with Distributed Computing Environment (DCE)		
The suite should be compatible with Predictive modeling Makeup Language (PMML)		
Common Metadata		
The Statistical Analysis and Reporting suite have a single point of control over administrative tasks in the intelligence platform from Data Integration, Statistical Analysis, Analytical Models, Data Mining Models, Forecasting and Business Intelligence Reports.		
The Statistical Analysis and Reporting Solution should have common metadata across ETL, Analytical Models (Statistical Analysis, Predictive Modelling, Optimization and Forecasting), alerts and investigation, and Business Intelligence Reports.		
The Suite for the centralized management of metadata repositories		
Support for exchange of metadata (internal and external)		
Provision for for integration with third party BI software		
Tool should have provision for extending the metadata repository		
Administration		
The suite should offer single management console for metadata administration of the software from ETL, Data Quality, Statistical Analysis, Data Mining, Forecasting, and Business Intelligence Reports.		
The Solution should provide for a visual console to perform administrative tasks.		
The Solution should provide the ability to View Users Data and Metadata Queries		

The Solution should provide for services being started/stopped from the administrative console		
Security		
The tool should control access to applications, modules and functions based on user security.		
The data access should be controlled based on individual profiles		
The security should be based on roles		
The Tool should provide for privileges to be set at a user level		
The product should support personalization.		
The Suite should support SSL		
The Solution should support for digital certificates		
The Solution should support for encryption. The suite should provide for data, metadata, data transmission between systems in encrypted format		
The BI Solution should support Single Sign-on		
Single Sign-on should be compatible supporting the Windows SSPI framework		

Extract / Transform / Load – Data Integration (ETL)		
The tool should provide a Central Metadata Repository to manage the flow and traceability of data and structures.		
The tool should provide native access Industry leading RDBMS like ORACLE, SQL Server, Sybase, MYSQL, DB2 and have specific data access application to access SAP modules		
The Tool Should provide for Multiple-user design environment supports collaboration on large, enterprise wide projects.		
The Tool Should provide for Integrated workflow scheduling, automatic load balancing and grid computing support.		
The Tool should provide support for Message-Oriented Middleware, including Web Sphere MQ from IBM, MSMQ from Microsoft and Tibco's Rendezvous.		
The tool should be rich in the set of in-built transformations and functions that should include predefined table and column-level transformations including slowly changing dimensions - type II.		
The tool should support targets which are normalized or de-normalized. The tool should provide specific functionality to support either of these two design approaches.		
The tool should provide for reuse of individual transformations.		
The tool should support for surrogate key generation.		
The tool should provide for creation of user-defined external transformation functions.		
The tool should provide pre-build functionalities for the following:		
<ul style="list-style-type: none"> • Financial Transformations 		
<ul style="list-style-type: none"> • Mathematical Transformations 		
<ul style="list-style-type: none"> • Statistical Computations 		
<ul style="list-style-type: none"> • Should provide intuitive Graphic 		
User interfaces for Data Profiling, Data Standardization, and Clustering and Data Augmentation capabilities. In Data Profiling it should be able to conduct the following analysis :		
<ul style="list-style-type: none"> • structure discoveries, 		
<ul style="list-style-type: none"> • frequency distribution 		
<ul style="list-style-type: none"> • Pattern distribution 		
<ul style="list-style-type: none"> • Various Statistical Analysis 		
<ul style="list-style-type: none"> • Outliers Detection and Percentile reporting 		
<ul style="list-style-type: none"> • Relationship Discoveries 		
<ul style="list-style-type: none"> • Referential Integrity Analysis 		
<ul style="list-style-type: none"> • Redundant Data Analysis 		
<ul style="list-style-type: none"> • Drill through analysis from graphical reports to transactional data 		
<ul style="list-style-type: none"> • Enable business rule validation. 		
Support data quality measurement on an on-going basis embedded into batch, near-time, and real- time process		
The Tool should supports client requests via standard SOAP interfaces.		
Should be customizable and allow enhancement of its knowledge		

base by constantly updating Indian Dictionary		
Should support data cleansing and de-duplication, duplicate suspect processing, house holding, with array of out-of-the- box standardization rules conform data to corporate standards – or can build customized rules for special situations.		
Should have business rules and GUI's for automatic merging and manual merging.		
The Tool should provide for Master Data Management capabilities with semantic data descriptions of input and output data sources uniquely identify each instance of a business element customer, account, etc. and standardize the master data to provide a single source of truth.		
The Tool should provide for a rules library to clean, standardize, match and enhance data as it moves into the master reference file and is reused for downstream processes.		
The Tool Should provide fuzzy logic to induce tolerance during matching		
The Tool Should use the parsed data to provide flexible matching criteria		
The Tool Should have options for manual/automatic merging of clustered records		
The Tool Should enable to define rules for record and/or field selections during the merging process		
The Tool Should have the capability to enrich data from internal data sources		
The Tool Should have the capability to enrich data from external/third party data sources		
The Tool Should have options for manual/automatic merging of clustered records		
The Tool Should enable to define rules for record and/or field selections during the merging process		
The tool should have integrated and customized design-time checks for early notification of potential problems as you build the process flow for a job.		
The tool should have the ability to disable and enable nodes and submit flows in any state.		
The tool should have the ability of performing integrated impact analysis.		
The tool should have the ability of process flow modification, reversal of changes etc.		
The tool should have documentation available in the form of notes on nodes and on the canvas.		
The tool should have enhanced mapping features that includes intelligent handling of data type conversions, easy and selectable customizes mappings, and controlled propagation of changes to mappings.		
The tool should have status indicators that identify complete and incomplete transformations in a job.		

The tool should have status messages that explain the status issues with incomplete transformations.		
The tool should have Rules-based mappings that support pattern mapping, user customizations, and automatic numeric to character or character to numeric mappings.		
The tool should have the ability to start job runs from the source, the target, or the middle of the job.		
The tool should have the ability to easily capture and display performance information such as real time, CPU time, memory use, input/output, and record count data, with the ability to display this information as a table or as a graph.		
The tool should have transformations to perform analytical operations like Correlations, Distribution Analysis, Frequency and Summarization.		
The Data integration jobs should be building the data-marts along with OLAP cubes in a seamless single process flow.		
The OLAP building stored processes should be scheduled in a single seamless interface of ETL Jobs		
System shall contain the data, software, and processes needed to cleanse, consolidate and transform the data from their source system format to the data warehouse format.		
System shall be able to facilitate bulk data movement		
System shall be able to join data from multiple sources and support for concurrent processing of multiple source data streams, without writing procedural code		
System shall be able to extract and transform information from multiple sources without any intermediate files		
System shall be able to check incoming data for quality, reliability, consistency and validity, and then transform as required.		
System shall facilitate data profiling based on dynamic, user defined validation rules and support identification of user defined 'events' to trigger alerts (through email reports) to authorities		
System shall support In-memory data handling		
System shall allow high-performance movement and transformation of data between disparate systems in batch mode.		
System shall support batch mode data quality implementation		
System shall be able to generate notification alerts based on the occurrences of relevant knowledge items and as per pre-defined priority		
System shall have the capability to correct mistakes in spellings, inconsistencies, casings and abbreviations		
System shall support correction logic for Indian names, addresses, phone numbers, pan numbers, passport number and other identification proof documents and demographic details		
Data warehouse shall have the capability to export data in open standards (such as XML formats).		

System shall support data profiling, data standardization, and clustering and data augmentation capabilities. In Data Profiling it should be able to conduct the following analysis: <ul style="list-style-type: none"> • Structure Discoveries • Frequency Distribution • Pattern Distribution • Various Statistical Analysis • Outliers Detection and percentile reporting • Relationship Discoveries • Referential Integrity Analysis • Redundant Data Analysis • Drill through Analysis from graphical reports to transactional data • Enable business rule validation 		
Analytics		
System shall support analysis of variance, Multivariate analysis of variance and repeated measurements and Linear and non-linear mixed models.		
System shall support Coefficient of variation plot		
System shall support factor analysis to determine significant parameters that can be used to prepare a revenue forecast model (through regression models)		
System shall support identification of common patterns / factors / profile characteristics that could enable selection of criteria for selection of Business Audit cases, selection of Refund Audit cases.		
System shall provide a rich set of data mining algorithms that can be used for classification, regression, clustering, detection of outliers and anomalies, feature extraction, association analysis, and attribute ranking.		
System shall support identification of common patterns / factors / profile characteristics that could be used for dealer risk or revenue reliability rating		
System shall support Clustering with following features: User Defined or automatically chooses best k clusters. Several strategies for encoding class variables into analysis Handles missing values		
System shall support detection of patterns from the transaction data set over a defined time period for particular individuals / groups		
System shall have flexibility of imputing missing values using different statistical options such as min, max, median etc -		
System shall support automated algorithms which will help the end-users to run multiple algorithms at a time and hence compare the results between them.		
System shall provide multiple methods to visualize data mining models and provide the user with sufficient levels of understanding and trust		
System shall be able to provide statistical summary of the transaction		

records		
System shall be able to discover new patterns in the dataset (detect untrained patterns) and identify defined patterns in the dataset (trained patterns)		
System shall support inbuilt data transformations and allow definition of custom transformations		
System shall provide user interface to other related software such as Business Intelligence for further analysis in data mining tool		
System shall support processing of data-points for exponential smoothing, missing data and outlier data on all data-sets before trend analysis / modeling		
System shall support trend analysis and modeling / forecasting for identified parameters on dealer-wise, transaction-wise and commodity-wise data received from multiple sources		
System shall support decomposition of historical returns data (time series data) and development of regression models for forecasting region-wise / commodity-wise revenue and target setting using significant factors from dealer based returns data		
System shall support decomposition of historical data (time series data) and development of regression models for forecasting region-wise refunds and target setting using significant factors from dealer based refunds data		
Forecasting and time series methods available shall include the following methods:		
Trend extrapolation; exponential smoothing; Winters method (additive and multiplicative)		
Structural time series models or unobserved components models (UCM)		
Time series decomposition and seasonal adjustment		
System shall support profile matching through multi-field text matching functionality on dealer-profile information (comparison could be on combination of name, PAN, address, telephone number etc.)		
System shall allow user to view test statistic for each model built, and hence select the model other than the auto select model		
System shall support profile matching through user-defined (configurable) business rules through ad-hoc querying across multiple fields of dealer-wise information (across registration, returns, refund and annexure data)		
System shall support identification of associations (supplier, supplier to supplier, customer, customer of customer etc.) across n levels, through matching TIN, names, addresses etc		
System shall help in determining dealers' segments based on a variety of customizable relationships and attributes – Location, demographics, turnover, commodities, return category, officer, dealer rating, Top tax payers- location wise, Dealers having Top		

Turnover etc.		
System shall identify the risks associated with a given set of dealers or commodities		
System shall also contain statistical algorithms like Cox regression, robust regression, Poisson Regression, Gamma regression, Panel Data Analysis etc.		
System shall support algorithms that are suited based on the learning pattern through the data.		
System shall provide facility to perform following kinds of analysis on data:		
Trends across dimensions over time evident in the fact records		
Drill-down across hierarchy of levels within a target dimension		
Drill-across dimensions for selected records		
Slice and Dice of data sets		
Sorting		
Filtering		
System shall allow derived or calculated data like ratios that is not available in the data source for the purpose of comparison or analysis: Ranking Analytic (Max, min, Average etc.) Statistical (sum, difference, round up or down, etc.) Percentage) %difference, % total, etc.) Analytic (standard deviation, percentile, quartile etc.)		
System shall provide facility to allow creation of logical grouping of data based on user defined criteria e.g. pattern matches, value thresholds		
System shall provide facility to define Business rules in simple business terms with logical conditions like IF, ELSE, AND, OR etc.		
System shall provide facility to create ad hoc queries through use of simple business terms for querying the data sources		
System shall provide facility to save the queries and edit the same in future to derive newer queries		
System shall provide facility to save and export the generated reports in file formats like RTF, HTML, PDF		
System shall provide facility to summarize and present data using a variety of highly customizable charts, including vertical and horizontal bar, pie, donut, sub-grouped pie, star and block charts, plots like scatter, line, area bubble, multiple axis and overlay plots		
System shall provide facility to generate static or dynamic interactive visualization charts and graphs		
System shall provide ability to provide interactive simulations and time series modeling		

System shall provide dashboard facility with visual features like Metric Dials, Graphs, etc for display and track of metrics		
System shall support handling of multi-dimensional analysis (i.e. slicing and dicing the data), drill-down, drill-up and drill-across facilities for dealer, commodity and transaction data		
System shall provide a common business information model to allow users to interpret the available data using constructs that are familiar to them. Further, it shall allow users to build ad-hoc queries and reports based on this common business information model.		
System should be able to support Intermittent Demand Models		
System should support Unobserved Components Model or UCM (i.e. structured state space models)		
System should support Vector Autoregressive Moving-Average (VARMAX)		
The system should support following statistical tests: Bartlett's test of homoscedasticity White's test (equality of the variance of residuals)		
The system should support factor analysis: linear canonical correlation analysis (continuous or binary variables) with two groups of variables regularized (ridge) linear canonical correlation analysis with two groups of variables		
Modeling/prediction - the system should support simple and multiple linear regression with following algorithms: medial least squares quantile regression least trimmed squares regression on principal components ridge regression lasso regression		
Should support multiple algorithms for forecasting such as trend extrapolation; exponential smoothing and should provide selection best fitting forecasting algorithm for the given data.		
The system should support Non-parametric regression: lically weighted least squares on neighbours (LOESS) spline regression kernel method		
The solution should provide multiple methods of optimization (operations research) for optimizing decisions such as linear programming, integer programming etc.		
Alert Management and Investigation		
System should enable identification of suspicious dealer profiles through a judicious mix of anomaly detection, business rules, predictive modeling and network analytics		
System shall allow identification of localities/ regions where high numbers of risky dealer profiles are detected.		
System shall allow user to compare different predictive models on the basis of different test statistics, and select the best model for deployment automatically		

<p>Forecasting and time series methods available shall include the following methods:</p> <ul style="list-style-type: none"> • Trend extrapolation; exponential smoothing; • Structural time series models or unobserved components models (UCM) • Dynamic regression or transfer function models • Joint forecasting of multiple time series using vector time series analysis and general • State space models and Intermittent Data Model (IDM) • Time series decomposition and seasonal adjustment • Spectral and cross-spectral analysis for finding periodicities or cyclical patterns in data 		
System shall support analysis of voluminous returns data to identify patterns and determine risk rating / revenue reliability of a particular dealer		
System shall support ad-hoc querying of the voluminous returns data such that Gross Turnover of Sales/Purchases, Input tax credits, tax paid , deduction claimed etc can be analyzed by the sales tax department		
System shall help in determining dealers' segments based on a variety of customizable relationships and attributes – Location, demographics, turnover, commodities, return category, officer, dealer rating, Top tax payers- location wise, Dealers having Top Turnover etc.		
System shall support Time Series and scenario ("What-If") analysis for dependent variables.		
System shall support analysis to determine causes of gap in revenue collected and expected targets		
The system should be capable of Input Tax matching - i.e. reconciliation of declared purchases by dealers with that identified by the quoted selling dealer's annexures.		
The system should be capable of detecting cyclical or circular trading which refers to a string of transactions which end up with a dealer both purchasing and selling from the same source.		
The system should be capable of calculating relationships among dealers with a known risky / suspicious entity, thus enabling risk by association.		
In cases, where the dealer has effected Interstate Sales, the details of availability of declarations under CST Act should be checked with the information available in TINXSYS.		
<p>The system shall have capability to receive and analyse the data for:</p> <ul style="list-style-type: none"> • Customer wise VAT sales • Supplier wise VAT sales • Transaction wise VAT sales to customers • Transaction wise VAT purchases from suppliers plus others 		
The system shall have capability to identify cases for new dealers for whom the turnover is increasing at very fast rate. Such dealers are likely to be part of fraudulent dealer network.		

The system shall have capability to use data obtained from banks and other third party sources (obtained by the department) for identification of true fund flow information. This data can be a pointer for identification of suspicious dealers.		
The system shall have capability to estimate the liability of the dealer to pay tax or any other sum payable and accordingly revise the dealer risk rating.		
System shall enable Data mining for detection of patterns for commodities and regions where occurrence of unregistered dealers is higher		
System shall generate periodic, dealer-wise, location-wise and form-wise analytical reports of the Central repository branch		
System shall highlight cases where value of forms issued is greater than declaration by dealer		
System shall support analysis of cases to determine patterns that may help the department in optimizing existing resources and reducing pending cases		
The system shall have capability to generate scores for different dealers based on the formulae and select cases with higher scores. Objectives of this risk based assessment are: <ul style="list-style-type: none"> • Targeting high risk dealers • Identifying non-compliance at an individual dealer level • Gathering information on trends within a specific sector/industry/commodity 		
The system will have capability to enable officers to segregate cases separately for return defaulters and inconsistent return (totally errors)		
The system shall have capability to identify the cases for assessment on the basis of historical trends like: <ul style="list-style-type: none"> • Continuously filing nil returns. • Gross profit ratio. • Export to net sale ratio. • Stock turnover ratio 		
The system shall have capability to identify the cases for assessment on the basis of compliance history of dealer like: <ul style="list-style-type: none"> • For the last two years, the dealer has been filing his sales tax returns late and upon assessment a large tax liability was raised. • If there was an enforcement action taken on the above dealer. • If a dealer is trading in evasion prone goods. 		
System shall support trend analysis reports to be generated on KKPI (and KPI) information		
System shall support dynamic analysis to enable Tax Revenue target setting based on region / commodity wise trends, seasonality and business cycles patterns		
System shall support assessment of impact of a particular policy decision on the tax revenue, workload on a particular office location / region, impact on a particular group of dealers		

System shall be scalable to incorporate any additional functional requirements and application of analysis capabilities of the BI tools		
System shall compute a rating related to revenue reliability (risk rating) of the dealer based on registration information		
System shall enable assessment of registration details for determining / modifying risk profile rating and to detect fraudulent dealers		
System shall enable rule based / cluster analysis for profile grouping and profile matching		
System shall support assessment /modification of dealer profile risk rating, supplier side risk rating and customer side risk rating based on default history of a particular dealer		
Department should be able to follow a champion challenger approach in model development through developing different model versions, compare results on different parameters, and select and deploy best performing model		
Department should be able to model for risk using a variety of data mining, text mining, neural networks, machine learning, and simulation modeling techniques.		
<ul style="list-style-type: none"> Model developers should make use of a fraud intelligence repository which gets populated containing information of performance of past models and scenarios, to improve accuracy of current predictive models 		
should be able to define risk based on different levels such as relationships with entities, financial / non-financial transactions etc.		
The solution should be able to calculate the risk score of a network based on various metrics such as underlying entity risk, structure of the network, net flow of funds / tax, and predictive models.		
The solution should be able to create networks based on both transaction as well as relationship based data, and create a nodes and links among the entities specified		
It should be possible to identify common entity types which are superhubs –i.e. appear commonly in majority of transactions and treat them separately as per need		
<ul style="list-style-type: none"> Special types of network behavior such as cyclical flow of transactions and funds, linear flow of funds, shortest path between two nodes etc. should be automatically identifiable and extractable from the networks. 		
The solution should facilitate forecasting at various levels of hierarchies for different tax slabs / tax bases, with specific forecasting algorithms used for each hierarchy		
Department should be able to carry out scenario analysis / what –if analysis on the forecasted model allowing for changes in future parameter values.		
Department should be able to carry out Tax Collection optimization based on projections of default as against resources to collect / follow up / investigate at ward / circle level		
Optimization solution should help Department in allocation of alerts for different wards / circle members as per value at risk / capacity to investigate and probability of recovery		

System shall provide facility to define rules and set threshold-based alerts for the same on the data used for query and analysis		
Solution should provide capability for visualization and drilling down into networks		
Visualization of the network should be driven by analytics rather than vice versa, with relevant aspects of a network which contribute towards the alert / risk being displayed		
Users of network visualization/ other appropriate visualization should be able to drill down further into networks and view additional links as required		
Additional links and entities which are external to the network data, should also be allowed to be added to the network and changes saved		
Visual depiction, highlighting and color coding based on entity risk should be reflected in the network visualization/ other appropriate visualization		
Networks should be visualized based on a temporal view – so that the chronology of events are depicted through a time slider		
The solution should accept parameters for retrieving network entity details and relationships between any two entities and visualize links and networks based on these parameters		
Solution should retrieve relationship between any two (specified) links in a network through a “short path” algorithm and enable visualization of the relationship.		
Solution should have inbuilt business rules engine to implement scenarios with ability to add new scenarios. Scenario/ Rule / Alert management can be created through a simple to use GUI interface where it is possible to add new rules, modify existing alerts etc. with alerts automatically changing as soon as the changes are made		
Solution should be able to activate / deactivate / reactivate / override specific alerts / rules as per need at real time.		
Solution should be able to execute scenarios in specific order. Business rule engine should have capability to change scenario parameters easily		
Solution should have the ability for the rules engine to allow criteria to be defined / modified (add, delete, create, update).		
The solution should be able to decide appropriate treatment for the alerts depending on the rules under which they were flagged (route to investigator etc.) as per data event		
Historical rule activity (alerts generated) and performance (final disposition) should be identifiable and can be analyzed in order to improve rules		
Solution should have ability to incorporate both internal and externally created scores as a decision element		
Solution should use updatable user defined tables as decision elements such as: Negative and / or positive files		
Solution should have the ability for each transaction to be evaluated by every rule.		

Solution should be able to list, by priority, of all rules triggered by a transaction.		
Solution should be able to create / modify exclusion criteria, within a rule, to route activity to an 'exclusion" queue'.		
Solution should be able to create / modify reactivation criteria, within the rule, for accounts that have previously been reviewed and excluded		
Solution should be able to assign a unique case number to each item scored and actioned by the Solution or out sorted for analyst review.		
Solution should have ability to suppress unwanted alerts		
Solution should have capability to group alerts into single entity actionable events		
Solution should have capability to visualize the network related to alerts or risk networks. The networks as well as other alert reports should be capable of colour coding to highlight risky / high risk entities.		
Solution should allow investigator to look at the concise view of the network, as well as, based on need, grow the network along a timeline or across entities to incorporate a larger level of entities.		
Users should be able to create multiple what if scenarios by manually adding entities and links if needed and save multiple versions of the network		
Analyst should be able to add comments and make notes in alerts / investigations		
Investigators should be able to sort and filter all records by entering search criteria for any data field.		
Solution should have capability to group alerts into single entity actionable events		
Solution should provide reports on alerts		
The solution should enable officers to not just identify the entity against whom the alert was created, but also related alerts, related entities and their interlinkages.		
System shall enable assessment of dealer profiles on a case-by-case basis based on a prioritized list in order to reduce subjectivity and delays		
System shall enable officers to identify areas of scrutiny and further questioning during the pre-audit preparation through desk audit		
System shall allow verification and cross check of facts provided by a dealer with information of suppliers, dealers and information from other external agencies could enable a more comprehensive audit procedure		
System shall identify the risks associated with a given set of dealers or commodities		
System shall enable identification of cases for further Business Audit identified as a result of audit of alerted dealers.		
System shall support analysis of the groups of dealers and comparison with economic activity and growth in that industry		
System shall allow alerts to be generated whenever flagged dealers or		

dealers with high risk rating are present among the zero filer / non filer list		
System shall support detection of patterns so that criteria for various thresholds can be reviewed and modified.		
System shall support selection of criteria for Identification of cases for special Business audit		
System shall have capability to define the criteria for selecting the cases for investigation where search and seizure may be required. These criteria need to be configured on the basis of combination of various parameters which will be decided by the department unit.		
System shall be scalable to incorporate any additional functional requirements and application of additional niche analysis capabilities (such as text analytics etc.) of the Data Mining tools		
<ul style="list-style-type: none"> • Solution should have ability to assign risk / fraud scores at various levels of aggregation such as at a transaction level, dealer level (aggregate of transactions and demographic / relationship information) or at a network level 		
<ul style="list-style-type: none"> • Alerts currently in operation should be configurable and can be activated / deactivated as per need 		
<ul style="list-style-type: none"> • Solution should route alerts to the appropriate investigator / person/group 		
<ul style="list-style-type: none"> • Solution should have advanced routing rules to route along any data event 		
<ul style="list-style-type: none"> • Solution should have capability to reduce redundant alerts 		
<ul style="list-style-type: none"> • Solution should have capability to group alerts into single entity actionable events 		
Department should be able to action alerts by routing, emailing, closing or other events		
Analyst should be able to make notes in alerts		
Alert management team should be able to electronically upload custom watchlists for use in the application		
The solution can monitor changes in dealer / taxpayer demographic data as per the applicable watchlist		
The solution should support various types of matches such as exact / fuzzy match etc. with the watchlist		
The application should have functionality to “flag / unflag” entities as and when they are added to / removed from a watchlist		
The solution should enable officers to not just identify the entity against whom the alert was created, but also related alerts, related entities and their interlinkages.		
System shall enable assessment of dealer profiles on a case-by-case basis based on a prioritized list in order to reduce subjectivity and delays		
System shall enable officers to identify areas of scrutiny and further questioning during the pre-audit preparation through desk audit		
System shall allow verification and cross check of facts provided by a dealer with information of suppliers, dealers and information from		

other external agencies could enable a more comprehensive audit procedure		
System shall identify the risks associated with a given set of dealers or commodities		
System shall enable identification of cases for further Business Audit identified as a result of audit of alerted dealers.		
System shall support analysis of the groups of dealers and comparison with economic activity and growth in that industry		
System shall allow alerts to be generated whenever flagged dealers or dealers with high risk rating are present among the zero filer / non filer list		
System shall support detection of patterns so that criteria for various thresholds can be reviewed and modified.		
System shall support selection of criteria for Identification of cases for special Business audit		
System shall have capability to define the criteria for selecting the cases for investigation where search and seizure may be required. These criteria need to be configured on the basis of combination of various parameters which will be decided by the department unit.		
System shall be scalable to incorporate any additional functional requirements and application of additional niche analysis capabilities (such as text analytics etc.) of the Data Mining tools		
Solution should have ability to assign risk / fraud scores at various levels of aggregation such as at a transaction level, dealer level (aggregate of transactions and demographic / relationship information) or at a network level		
Alerts currently in operation should be configurable and can be activated / deactivated as per need		
Solution should route alerts to the appropriate investigator / person/group		
Solution should have advanced routing rules to route along any data event		
Solution should have capability to reduce redundant alerts		
Solution should have capability to group alerts into single entity actionable events		
Understanding of alert performance in terms of true positives / false positives etc. should be assessable and measurable through reports		
Department should be able to action alerts by routing, emailing, closing or other events		
Analyst should be able to make notes in alerts		
The solution can monitor changes in dealer / taxpayer demographic data as per the applicable watch list		
The solution should support various types of matches such as exact / fuzzy match etc. with the watch list		
The application should have functionality to “flag / unflag” entities as and when they are added to / removed from a watch list		
End User Application - Reporting Framework		

The user interface should have the capability to integrate with Web-Services i.e. Should support sending and receiving web services.		
The solution should provide flexibility of displaying the dashboards on third-party portals including MS-Office applications		
The solution should allow generation of dashboard using ad-hoc queries by the user		
The reporting solution should be web-enabled.		
The reporting Solution should enable different types of users to conduct fast, thorough explorations on all available data without the need to Subset / sample / create multiple views of data with minimal training for users		
Capability to import and integrate local text/csv/xls files with the data warehouse/ODS and be able to generate reports with no intervention from IT		
The reporting Solution should have the ability to be configured on open standard hardware		
The reporting Solution should provide a user friendly, web based , drag and drop interface for data preparation for data tables available in-memory		
The reporting Solution should provide a clear explanation of forecasting results by providing “What does it mean” capabilities		
The reporting Solution should provide Autocharting. Based on data items selected for analysis, The reporting Solution should automatically chooses the chart best suited to display the type of data selected: E.g. one measure yields a frequency chart, two measures yield a scatter plot, three measures yield a bubble chart, etc.		
The reporting Solution should provide Geographical map views to provide a quick understanding of geospatial data.		
The reporting Solution should provide capabilities to subset data without intervention of IT or requirement for any specific skills / technology		
The reporting Solution should allow 'On-the-fly' hierarchy creation for being able to traverse to lowest information to undertake root cause analysis		
The reporting Solution should provide the capability to export data to Excel and CSV/TSV document formats		
The reporting Solution should have the ability for Interactive report viewing for information consumers using iPad and Android devices using a native application most popular gestures and capabilities, including zoom, swipe, etc., to optimize ease of use and user engagement.		
The reporting Solution should provide users the capability to save and share their analysis as exploration, report, or PDF		
The reporting Solution should not be dependent on data warehouse or data marts. The reporting Solution should be able to surface information directly from transactional systems		

The reporting Solution should visually prepare data for analysis, including joining tables, defining custom calculated columns and creating custom expressions for data tables available in-memory		
The reporting solution should provide capabilities to schedule jobs for data updates and report refresh		
The reporting solution should provide integrated analytics to identify Relationships in the data using Data Mining Techniques		
The reporting solution should provide Regression (Linear, Quadratic, Cubic, PSpline, Best Fit), Forecasting (multiple algorithms) and Summary statistics		
The reporting solution should scale up to distributed computing environments to leverage the parallel processing capabilities of multiple machines		
The reporting solution should allow users to securely view reports on mobile devices while online or offline.		
The reporting solution should be able to maintain Mobile device logging history and also be able to blacklist/whitelist devices		
System should support exploration of relationships (either transactional or demographic / profile based) of dealers through appropriate visualization. Adequate emphasis on core measures such as transaction amount, size of dealer etc. should be depicted as node size / link width etc.		
System shall have capability to generate analytical reports on the basis of defaulter history (across non-filers, defective, zero and short filers)		
System shall enable tracking a dealer post audit, it is required to earmark such dealer profiles in the system and to generate reports for that dealer and his associated dealers (suppliers and customers).		
The system shall have capability to perform trend analysis for refund cases generating reports with the following parameters: TIN registration Dealer Category Industry Commodity / Activity Code TIN applications Refund Amount		
The system shall have capability to generate MIS reports regarding Ageing of recovery cases: This report should provide date of identification of the arrear, category of arrears, number of elapsed days since identification of the arrear, amount of arrear as on date of identification, amount of arrear as on date of the report (in case any penalties and/or interest has been levied)		
The system shall provide decision support tools to allow prioritization of collection activities on the basis of: Amount of recovery Ability of dealer to pay the tax recovery as gathered from various sources by the department		

Department should be able to design reports and dashboards in a GUI based environment with automatic refresh based on changes in underlying data sources		
Reports can be designed without the need for an underlying cube / summarized data structure		
Report consumers can drill down to most granular level of detail as their access controls / profiles allow		
Reports can be populated / filtered based on sub-queries and interactive filters from previous selections.		
Parameters can be passed among reports to retrieve details and investigate specific dealers / taxpayers / entities / taxpayer segments.		
Based on need, users of the reporting portal can execute stored procedures through the reporting interface and visualize the reports		
Upon identification of actionable items (such as non-filers, address mismatches), report consumers can access procedures to carry out processes for customer contact / communication through the reporting interface		
System shall support generation of reports through user-defined (configurable) ad-hoc querying across multiple fields of dealer-wise information (across registration, returns, refund and annexure data)		
Text Mining		
The proposed software must be able to accept text and should accept commonly used text sources such as, but not limited to: - ASCII text, - Microsoft Word files, - Adobe PDF files, - Microsoft Excel files		
The proposed software must be able to support operation over multiple languages		
The analysis should work on NLP technology		
The proposed software solution must not require source documents or text segments to be retained within the solution.		
The proposed solution must include a capability to maintain internal records of processing		
The proposed software must integrate within a Service Oriented Architecture (SOA) to achieve a loose coupling among interacting systems. Specifically, the software must support:		
-Software interfaces provided over HTTP		
-Except for binary data attachments, messages in XML		
- Except for binary data attachments, messages carried via SOAP or REST		
-Formalized and machine-verifiable description of the service parameters and its response formats (e.g. WSDL)		
Solution should provide user interface which speeds and simplifies the exploration of large information collections and even the most complex information should be an easy-to-understand, interactive view, enabling deeper understanding		

Should Support information retrieval (i.e. a statistical or language-based method of retrieving texts relevant to a user's query)		
Should display concepts and their relationships on document summarization		
Provide identifier(s) of the text segment(s) within the text body that support a concept classification or concept-interrelationship		
Should support defining new entities and identification of them from unstructured text documents. Also product should be able to do document summarization		
The proposed solution must include the ability to parse text to identify, but not limited to, the following: - Words corresponding to external taxonomies/rule sets - Phrases, meanings, themes or concepts corresponding to external taxonomies/rule sets - Phrases, meanings, themes or concepts not referenced in external taxonomies/rule sets		
Words corresponding to external taxonomies/rule sets		
- Phrases, meanings, themes or concepts corresponding to external taxonomies/rule sets		
- Phrases, meanings, themes or concepts not referenced in external taxonomies/rule sets		
Ability to translate a search appropriately across multiple sources		
The data from multiple search engines should be displayed after reduplication without user intervention		
Ability to cluster/categorize the results set by topic (including the abilities to group by source, author, affiliation, date, etc.)		
Auto alerting capability for page and search alerts, e.g. user has the ability to save a search and create and automated alert.		
Solution should have ability to perform link analysis		
Should support clustering (the automated discovery of categorical divisions of a document collection without a set of pre-defined labels)		
The proposed solution should be able to -Display a visual representation of concepts and their relationships -Indicate the relative prevalence of identified concepts in the text body. - Indicate the relative strength of the relationships between identified concepts. - Identify concepts not currently present in the chosen external taxonomy/rule set		
Magnify a chosen area of the visual representation		
Users should be able to see patterns of events over long time horizons while focusing on specific events of interest, empowering more efficient, illuminating storytelling and event analysis		
The proposed solution should have capability of writing Boolean rules for categories and simplified by with a visual, tree-view representation. It should also made easy with the graphical selection from the list of Rules Tree commands.		

The tool should be able to support multiple languages. It should include Asian, Eastern and Western European, and Middle Eastern languages.		
In the proposed tool several taxonomists and developers, working individually or in teams, can access projects in a Collaborative approach. For multiple users permission levels should include read and write category rules and concept definitions, depending on the permission level granted by the administrator.		
The proposed tool should have strong classification functionality. It should support different weighting methods, numerous modeling techniques for classification, and binary, nominal, and ordinal targets.		
The tool should contain GUI based highly interactive plots for exploring the connections among concepts/terms. It should allow users to dynamic link plot that shows the connections among terms/concepts.		
Should allow users to interact with the plot by clicking on a point and dragging the cursor to reveal additional terms (Drill –Down).		
The tool should be able to retrieve Web pages that go many layers deep originating from a specific URL.		

SECTION VII: Format of Earnest Money Deposit in the form of Bank Guarantee

Ref: Bank Guarantee No.
Date:

To,
Director (e-governance)
Gujarat Informatics Limited
8th Floor, Block -1, Udyog Bhavan,
Sector - 11, Gandhinagar - 382017
Gujarat, India

Whereas ----- (here in after called "the Bidder") has submitted its bid dated ----- in response to the Tender no: SWXXXXXXXXX for ----- KNOW ALL MEN by these presents that WE ----- having our registered office at ----- (hereinafter called "the Bank") are bound unto the -----, Gujarat Informatics Limited in the sum of ----- for which payment well and truly to be made to Gujarat Informatics Limited, the Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank this -----day of -----2015.

THE CONDITIONS of this obligation are:

1. The E.M.D. may be forfeited:
 - a. if a Bidder withdraws its bid during the period of bid validity
 - b. Does not accept the correction of errors made in the tender document;
 - c. In case of a successful Bidder, if the Bidder fails:
 - (i) To sign the Contract as mentioned above within the time limit stipulated by purchaser
or
 - (ii) To furnish performance bank guarantee as mentioned above or
 - (iii) If the bidder is found to be involved in fraudulent practices.
 - (iv) If the bidder fails to submit the copy of purchase order & acceptance thereof.

We undertake to pay to the GIL/Purchaser up to the above amount upon receipt of its first written demand, without GIL/ Purchaser having to substantiate its demand, provided that in its demand GIL/ Purchaser will specify that the amount claimed by it is due to it owing to the occurrence of any of the abovementioned conditions, specifying the occurred condition or conditions.

This guarantee will remain valid up to 9 months from the last date of bid submission. 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

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.

Dated at _____ on this _____ day of _____ 2016.

Signed and delivered by

For & on Behalf of

Name of the Bank & Branch &
Its official Address

**Approved Bank: Any Nationalized Bank operating in India having branch at Ahmedabad/
Gandhinagar**