



Expression of Interest

for

“Selection of Implementation Agency for
Data Monetisation in Vadodara Smart City”

EOI Notification No.: VSCDL/219/2019-20

Issued by:

Vadodara Smart City Development Limited (VSCDL)

C/o Vadodara Municipal Corporation

Vadodara

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Glossary

| Term | Meaning |
|----------------|---|
| AMC | Annual Maintenance Contract |
| BOM | Bill of Materials |
| BOQ | Bill of Quantity |
| CCC | Command Control Centre |
| CCTV | Closed-Circuit Television |
| FY | Financial Year |
| VSCDL | Vadodara Smart City Development Limited |
| KPI | Key Performance Indicator |
| O&M | Operations & Maintenance |
| OCC | Operations Control Centre |
| IFB | Invitation for Bid |
| RFP | Request for Proposal |
| SDK | Software Development Kit |
| SI | System Integrator |
| SoW | Scope of Work |
| SLA | Service Level Agreement |
| SRS | System Requirement Specifications |
| UAT | User Acceptance Testing |
| UPS | Uninterruptible Power Supply |
| VMC | Vadodara Municipal Corporation |
| VPN | Virtual Private Network |

1 Notice Inviting Expression of Interest



Vadodara Smart City Development Limited (VSCDL)
C/o Vadodara Municipal Corporation, Khanderao Market, Vadodara

Notice Inviting Expression of Interest for “**Selection of Implementation Agency for Data Monetisation initiatives for Vadodara Smart City**”

Expression of Interest (EoI) for **Selection of Implementation Agency for Data Monetisation initiatives for Vadodara Smart City** in Vadodara City is invited from the bidder meeting the basic eligibility criteria as stated in the bid document.

| | |
|--|---|
| EoI Notification Number | VSCDL/219/2019-20 |
| EoI document Availability | nProcure Website (vmc.nprocure.com) VMC website (www.vmc.gov.in) – Tenders section |
| Tender Fee (Non-refundable) | Tender Fee of INR 1180/- (Rupees One Thousand One Hundred Eighty) (inclusive of GST) by Demand Draft only in favour of “ <i>Vadodara Smart City Development Limited</i> ”. |
| Start date and time for downloading EOI | 1 July 2019 |
| Deadline for submission of pre-bid queries for clarifications | 5 th July 2019 at 1100 Hrs |
| Date, time and place of pre-bid meeting | 5 th July 2019 at 1530 Hrs <i>Place:</i> Conference Room, Vadodara Municipal Corporation, Khanderao Market, Vadodara – 390001, Gujarat |
| Deadline for online and physical submission of technical Proposal, Tender Fee and EMD | 22 nd July 2019 at 1700 Hrs <i>Address:</i> <i>Vadodara Municipal Corporation, Record Branch, Khanderao Market, Vadodara – 390209, Gujarat</i> |
| Date, time and place of online opening of EoI Proposals | To be informed later. <i>Place:</i> VSCDL, C/o Vadodara Municipal Corporation |
| Date, time and place of presentation (if needed) | To be informed later. <i>Place:</i> VSCDL, C/o Vadodara Municipal Corporation |
| Contact for queries | IT Department, Vadodara Smart City Development Limited, C/o Vadodara Municipal Corporation Khanderao Market, Vadodara – 390001, Gujarat Email ID: smartcity_itcell@vmc.gov.in |

The right to accept/reject any or all bid(s) received is reserved without assigning any reason thereof.

General Manager (IT)
Vadodara Smart City Development Limited

2 Introduction and Background

2.1 About Vadodara

Located in western part of India in the state of Gujarat, Vadodara (formerly known as Baroda) is referred as cultural capital of Gujarat and is the third largest city after Ahmedabad and Surat. It is the administrative headquarters of Vadodara District and is located on the banks of the Vishwamitri River. As per the Census 2011, it has a population of almost 1.7 million+ people. The city is an important industrial, cultural and educational hub of western India and has the largest university in Gujarat, the Maharaja Sayajirao University of Vadodara. The city houses several institutions of national and regional importance while its major industries include petrochemicals, engineering, chemicals, pharmaceuticals, plastics, IT and foreign exchange services amongst others.

Vadodara was selected as one of the 100 Indian cities (in the Second round of selection) to be developed as a smart city under Smart Cities Mission.

2.2 About Vadodara Smart City Development Limited (VSCDL)

As per the GoI guidelines, Vadodara Municipal Corporation has formed a separate Special Purpose Vehicle (SPV) as Vadodara Smart City Development Limited (VSCDL) for the implementation of projects under the smart city mission for the city of Vadodara. This SPV has been entrusted with end to end responsibility for bid process/procurement, implementation and operationalization of various smart city projects.

2.3 About Smart City IT Projects

Currently VSCDL is executing the following Projects

- CCC and its subprojects
- ITMS
- ERP
- HMIS
- Water SCADA
- Smart Street Light
- GIS (including Property Survey geo-location data)
- Public Wifi and Ipoles
- Underground GIS
- My Vadodara Mobile App
- 3D Drone mapping of city areas
- Other upcoming IT Projects

Annexure I provides more details about these projects and systems to be covered as part of Data monetisation initiatives.

2.4 MoHUA guidelines on Data Monetisation

MouHA had published draft inputs (guidelines) for ToR/RFP for Selecting an agency for maximising social and economic value of city data available with Integrated Command and Control Centres and other associated projects developed under the Smart City Mission. This EoI is in line with these guidelines.

2.5 Project Objectives

The layers of information/data generated / captured at ICCC and other smart city IT projects carry huge amount of city intelligence. The raw data, once analysed for different set of needs and trends, may end up becoming a useful source of information for citizen based services as well as business houses. The potential to leverage this available data is immense. If the data mining is done effectively, it will help the city economy to grow, making different businesses more effective and creative/ innovative, by using city level data.

Towards building a long term sustenance of wide spread projects involving integrated smart solutions, the Smart City SPV (hereinafter referred as Authority) is exploring to monetize large sets of data (structured and un-structured), so generated by the ICCC and other data sources within the city. This monetization effort will help the objective of the smart city mission to be a self-sustainable model. It is understood that the city level analysed data, when optimally utilized, can create a good business model.

VSCDL requires to generate revenues to sustain its business operations in coming years. For this, VSCDL desires to hire a Data Monetisation Agency. The broad SoW would be as follows:

- Assess the current Data Set/Information available with VSCDL, for identifying revenue stream through monetising that data (within applicable laws & guidelines)
- Suggest further data monetisation blue print and use cases by designing appropriate Data Monetisation Eco system/Business blue print
- Maximise social and economic value of data for the benefit of citizens, city government, and businesses to promote economic growth and efficiency

The total duration of the project shall be of approximately 6 months.

2.6 Description of EOI Process

VSCDL has adopted a two stage (EOI + RFP) Bidding process for Selection of Implementation Agency for Data Monetisation initiatives for Vadodara Smart City. During the first stage of Expression of Interest (EOI), credible Bidders having requisite capability for undertaking the Data Monetisation review for VSCDL shall be shortlisted based on qualification criteria specified in EOI document. Shortlisted Bidders based on EOI stage, shall be invited for a presentation for finalising the Detailed Scope of Work for a RFP that VSCDL will prepare to select a Data Monetisation Agency.

3 Pre-Qualification Criteria

| # | Pre-Qualification Criteria | Proof Document Required |
|----|---|--|
| 1. | The bidder must be a company in India Registered under The Companies Act 1956/The Companies Act 2013 (& subsequent relevant amendments) or a Limited Liability Partnership Firm under Limited Liability Partnership Firm Act 2008 and should be operational at least for last 3 years as on date of Publishing of EOI. | Copy of Certificate of Incorporation. |
| 2. | The bidder should have average annual turnover of at least Rs. 10 Cr from IT Services or Analytics services during each of last three audited financial years. | CA certified and audited Balance Sheet and Profit & Loss statement for last three financial years (2015-16, 2016-17, 2017-18). CA certificate mentioning turnover from the said business. |
| 3. | The bidder must have at least 10 employees on its payroll in India, a) 5 of them with at least 3 years of experience either in data science/ Machine learning b) 5 of them with at least 3 years of experience in SDLC, web services, application performance optimisation & UI/UX All of above employees must have been joined bidders company on or before 31 st December 2018. (on its payroll) | Certificate from HR head confirming compliance. Detailed CV with copy of relevant certification for each resource. |
| 4. | The bidder should have executed at least three assignments within last five years, related to monetization of data analytics/ data insights/ revenue strategies, with each project value of at least Rs. 50 Lakhs . | Copy of Work Order and Work Completion Certificate of the project from the client clearly depicting the scope of work, contract period and project value. |
| 5. | The bidder should have valid GST registration number. | Copy of relevant GST certificate. |
| 6. | The bidder should have submitted valid Income Tax Returns for the last three financial years (i.e. 2016-17, 2017-18 and 2018-19) and the bidder (not individual) should have valid PAN Card. | Copy of Income Tax Returns (ITR) and ITR acknowledgment form for the last three financial years and copy of PAN card. |
| 7. | As on date of submission of the proposal, the bidder should not be blacklisted by Central/State Governments in India. | Undertaking by the authorized signatory as per format |
| 8. | The bidder should: <ul style="list-style-type: none"> not be insolvent, in receivership, bankrupt or being wound up, not have its affairs administered by a court or a judicial officer, not be declared defaulter by any financial institution not have its business activities suspended and must not be the subject of legal proceedings for any of the foregoing reasons not have, and their directors and officers not have, been convicted of any criminal offence related to their professional conduct or the making of false | Undertaking by the authorized signatory on stamp paper as per format |

| | | |
|----|---|-------------------------------------|
| | <p>statements or misrepresentations as to their qualifications to enter into a procurement contract within a period of three years preceding the commencement of the procurement process, or not have been otherwise disqualified pursuant to debarment proceedings</p> <ul style="list-style-type: none"> not have a conflict of interest in the procurement in question as specified in the bidding document | |
| 9. | Tender Fee and EMD | Tender Fee and EMD as per EOI terms |

Note:

- The Work Order and Work Completion Certificate must be in English language only. In case the Work Order or Work Completion Certificate is in any other language, the bidder has to submit notarized Work Order in English language only.
- All above mentioned documents for Pre-Qualification Criteria of bid must be notary-certified true copy/ self-attested.
- The bidders must submit all the supporting documents required along with Technical bid. No new qualifying documents will be entertained. The documents received in the Technical bid will be treated as full and final and evaluation will be carried out accordingly. However, VSCDL reserves the right to seek clarification/documents pertaining to information submitted as a part of the Technical bid

4 Instructions to the Bidder

The VSCDL, invites reputed firms to submit their proposals for Implementing the project of *Data Monetisation initiatives for Vadodara Smart City*, in accordance with conditions and manner prescribed in this Expression of Interest (EOI) document.

1. Bidders are advised to study all instructions, forms, terms, requirements and other information in the Bid Documents carefully.
2. Submission of bid shall be deemed to have been done after careful study and examination of the Bid Document with full understanding of its implications.
3. The response to this Bid document should be full and complete in all respects. Failure to furnish all information required by the Bid documents or submission of a proposal not substantially responsive to the Bid documents in every respect will be at the bidder's risk and may result in rejection of its proposal.
4. Additionally, proposals of only those bidders who satisfy the Conditions of Eligibility, stated herein, will be considered for evaluation by VSCDL.

Notes

1. References to “Vendor”, “bidder”, “Bidder”, “SI”, “System Integrator” etc. in this EoI document shall be construed to refer to the Bidder itself.
2. References to “VMC”, “VSCDL”, “purchaser”, “buyer”, “customer”, etc. in this EoI document shall be construed to refer to VMC (i.e. Vadodara Municipal Corporation or the VSCDL, the Smart City SPV, as the case may be).

4.1 Availing Bid Documents

The EoI document can be downloaded from the nprocure Website (vmc.nprocure.com) as well as www.vmc.gov.in up to the date and time mentioned in the relevant section.

4.2 Completeness of the EOI Document

Bidders are advised to study all instructions, forms, terms, requirements and other information in the EoI documents carefully. Submission of bid shall be deemed to have been done after careful study and examination of the EoI document with full understanding of its implications. The response to this EOI should be full and complete in all respects. Failure to furnish all information required by the EoI documents or submission of a proposal not substantially responsive to the EoI documents in every respect will be at the bidder's risk and may result in rejection of its Proposal.

The purpose of this EOI is to provide interested parties with information that may be useful to them in making their financial offers pursuant to this EOI (the "Bid"). This EOI includes statements, which reflect various assumptions and assessments arrived at by the VSCDL in relation to the project. Such assumptions, assessments and statements do not purport to contain all the information that each bidder may require. This

EOI may not be appropriate for all persons, and it is not possible for the VSCDL, its employees or advisors to consider the investment objectives, financial situation and particular needs of each party who reads or uses this EOI. The assumptions, assessments, statements and information contained in this EOI, may not be complete, accurate, adequate or correct. Each bidder should, therefore, conduct its own investigations and analysis and should check the accuracy, adequacy, correctness, reliability and completeness of the assumptions, assessments, statements and information contained in this EOI and obtain independent advice from appropriate sources.

VSCDL also accepts no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance of any bidder upon the statements contained in this EOI.

VSCDL may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumptions contained in this EOI.

The issue of this EOI does not imply that VSCDL is bound to select a bidder or to appoint the successful bidder, as the case may be, for providing digitization services; and VSCDL reserves the right to reject all or any of the Bidders or Bids without assigning any reason whatsoever.

4.3 Completeness of the EOI Response

Bidders are advised to study all instructions, forms, terms, requirements and other information in the EOI documents carefully. Submission of bid shall be deemed to have been done after careful study and examination of the EOI document with full understanding of its implications. The response to this EOI should be full and complete in all respects. Failure to furnish all information required by the EOI document or submission of a proposal not substantially responsive to the EOI documents in every respect will be at the bidder's risk and may result in rejection of their proposal.

4.4 Cost of EOI

Bidder should submit the Cost of EOI document (INR 1180/-) in the form of Demand Draft or Banker's Cheque of any scheduled/nationalized bank payable at Vadodara in favour of VSCDL..

4.5 EOI Validity Period

The EOI validity period shall be 120 days from the date of opening of EOI.

In exceptional circumstances, the VSCDL may solicit the Bidder's consent for an extension of the period of EOI validity. Any such request by the VSCDL and the response thereto shall be made in writing and such extension of Bid validity period by the Bidder should be unconditional. A Bidder may refuse VSCDL request for such extension. A Bidder accepting the request of VMC shall not be permitted to modify its Bid.

4.6 EOI Preparation Cost

The bidder is responsible for all costs incurred in connection with participation in this process, including, but not limited to, costs incurred in conduct of informative and other diligence activities, participation in meetings/ discussions/presentations, preparation of proposal, in providing any additional information required by VMC/VSCDL to facilitate the evaluation process, and in negotiating a definitive Contract or all

such activities related to the bid process. VMC/VSCDL will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process. All materials submitted by the bidder shall become the property of the VMC/VSCDL and may be returned at its sole discretion.

4.7 Submission of EOI Queries

VMC/VSCDL will host a pre-bid meeting for queries (if any) by the prospective bidders. The date, time and place of the meeting are given in relevant section. The representatives of the bidders may attend the pre-bid meeting at their own cost. The purpose of the pre-bid meeting is to provide a forum to the bidders to clarify their doubts/seek clarification or additional information, necessary for them to submit their bid.

All enquiries from the bidders relating to this EOI must be submitted to VMC’s Information & Technology Department. These queries should also be emailed to **smartcity_itcell@vmc.gov.in**. The queries should necessarily be submitted in the following format and **should be in Microsoft Excel only (.xls or .xlsx format). Scanned images and any format (including .pdf format) other than Microsoft Excel will not be accepted.**

| Request for Clarification | | |
|---|---|--|
| Name and Address of the Organization Submitting Request | Name and Designation of Person Submitting Request | Contact Details of the Organization/ Authorized Representative |
| Organization Name: Address: | Requestor Name: Designation: | Tel: Mobile: Fax: Email: |

| Sr. | EoI document Clause/Section Number | Clause Title | Page No | Content of the EOI Requiring Clarification | Clarification Sought |
|-----|------------------------------------|--------------|---------|--|----------------------|
| 1 | | | | | |
| ... | | | | | |

(PDF or scanned images will not be accepted)

Queries submitted post the mentioned deadline or which do not adhere to the above mentioned format may not be responded to. All the responses to the queries (clarifications/corrigendum) shall be made available on VMC Website (www.vmc.gov.in) and nProcure website (vmc.nprocure.com). The date, time of receiving pre-bid queries are given relevant section.

4.8 Conflict of Interest

- A “Conflict of Interest” is any situation that might cause an impartial observer to reasonably question whether System Integrator actions are influenced by considerations of your firm’s interest at the cost of Government. The System Integrator agrees that it shall hold the VSCDL’s interest paramount, without any consideration for future work, and strictly avoid any Conflict of Interest with other assignments of a similar nature. In the event the System Integrator foresees a Conflict of Interest, the System Integrator

shall notify VSCDL forthwith and seek its approval prior to entering into any arrangement with a third party which is likely to create a Conflict of Interest.

- Bidders shall not have a conflict of interest that may affect the Selection Process or the scope (the “Conflict of Interest”). Any bidder found to have a Conflict of Interest shall be disqualified.
- VSCDL requires that the bidder provides professional, objective, and impartial advice and at all times hold the VSCDL’s interests paramount, avoid conflicts with other assignments or its own interests, and act without any consideration for future work.
- The System Integrator shall disclose to VSCDL in writing, all actual and potential Conflicts of Interest that exist, arise or may arise (either for the System Integrator or its team) during the term of the Agreement as soon as it becomes aware of such a conflict.

4.9 Amendment of EOI Document

- At any time before the deadline for submission of bids, the VSCDL, may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the EoI document by an amendment.
- The bidders are advised to visit the VMC Website (www.vmc.gov.in) as well as nprocure website (vmc.nprocure.com) on regular basis for checking necessary updates. VSCDL also reserves the rights to amend the dates mentioned in this EOI for bid process.
- In order to afford prospective bidders reasonable time in which to take the amendment into account in preparing their bids, the VSCDL may, at its discretion, extend the last date for the receipt of bids.

4.10 VSCDL’s rights to terminate the EOI Process

VSCDL may terminate the EOI process at any time and without assigning any reason. VMC/VSCDL makes no commitments, express or implied, that this process will result in a business transaction with anyone. This EOI does not constitute an offer by VMC/VSCDL. The bidder's participation in this process may result in VMC/VSCDL selecting the bidder to engage in further discussions and inputs in drafting the actual RFP. The commencement of such negotiations does not, however, signify a commitment by the VMC/VSCDL to execute a contract or to continue negotiations. VMC/VSCDL may terminate such exercise / negotiations at any time without assigning any reason. VSCDL may even draft the RFP on its own without taking any cognizance or result or outcome of this EOI process.

4.11 Right to Accept or Reject Any Bid or All Bids

1. Notwithstanding anything contained in this EOI, VSCDL reserves the right to accept or reject any Proposal and to annul the Selection Process and reject all proposals, at any time without any liability or any obligation for such acceptance, rejection or annulment, and without assigning any reasons therefore.
2. Besides other conditions and terms highlighted in the EoI document, bids may be rejected under following circumstances:

General rejection criteria:

- i. Conditional bids

- ii. If the information provided by the bidder is found to be incorrect/misleading/fraudulent at any stage/time during the EoI process
- iii. Any effort on the part of a bidder to influence the bid evaluation, bid comparison or contract award decisions
- iv. Bids received after the prescribed time and date for receipt of bids
- v. Bids without signature of person (s) duly authorized on required pages of the bid
- vi. Bids without power of attorney/board resolution or its certified true copy

Pre-qualification rejection criteria:

- i. Bidders not complying with the Eligibility Criteria given in this EoI
- ii. Failure to furnish all information required by the EoI document or submission of a bid not substantially responsive to the EoI document in every respect

Technical rejection criteria:

- i. Failure to furnish all information required by the EoI document or submission of a bid not substantially responsive to the EoI document in every respect
- ii. Bidders not quoting for the complete scope of work as indicated in the EoI documents, addendum/corrigendum (if any) and any subsequent information given to the bidder
- iii. Bidders not complying with the Technical and General Terms and conditions as stated in the EoI documents
- iv. Bidders not confirming unconditional acceptance of full responsibility of providing services in accordance with the Scope of Work and Service Level Agreements of this EoI

Misrepresentation/improper response by the bidder may lead to the disqualification. If the bidder is the Lead Member of a consortium, then the entire consortium may be disqualified/rejected. If such disqualification/rejection occurs after the proposals have been opened and the highest ranking bidder gets disqualified/rejected, then VSCDL reserves the right to consider the next best bidder, or take any other measure as may be deemed fit in the sole discretion of VSCDL, including annulment of the selection process.

4.12 Tender Fee and EMD

1. The bidder should pay non-refundable Tender Fee of INR 1180/- (Rupees One Thousand one hundred Eighty only) which is inclusive of GST, by Demand Draft in favour of "**Vadodara Smart City Development Limited**", from nationalized or scheduled banks, payable at Vadodara. The Bid Fees shall be in the form of a Demand Draft.
2. The bidder should also pay EMD of INR 50,000/- (Fifty Thousand only) in form of Demand Draft (DD) in favour of "**Vadodara Smart City Development Limited**".
3. No interest will be payable by the VSCDL on the Earnest Money Deposit.
4. In case bid is submitted without EMD or Bid Fees as mentioned above then VSCDL reserves the right to reject the bid without providing opportunity for any further correspondence to the bidder concerned.

5. The EMD of unsuccessful bidders will be returned by the Authority, without any interest, as promptly as possible on acceptance of the proposal of the selected bidder or when the Authority cancels the Bidding Process.
6. The selected bidder's EMD will be returned, without any interest, upon the selected bidder signing the Agreement and furnishing the Security Deposit/Performance Guarantee in accordance with the provision thereof.
7. The decision of VSCDL regarding forfeiture of the EMD and rejection of bid shall be final and shall not be called upon question under any circumstances.
8. The EMD may be forfeited:
 - If a bidder withdraws their bid or increases their quoted prices during the period of bid validity or its extended period, if any; or
 - In the case of a successful bidder, if the bidder fails to sign the Contract or to furnish Performance Bank Guarantee within specified time.
 - During the bid process, if a bidder indulges in any such deliberate act as would jeopardize or unnecessarily delay the process of bid evaluation and finalization.
 - During the bid process, if any information found wrong/manipulated/hidden in the bid.

4.13 Sealing, marking and submission of EOI

Bidders are required to submit their bids in ONE sealed envelope as per instructions given below:

The large envelope/outer envelope containing above envelopes must be sealed and super-scribed and shall be sent as under:

| Details to be mentioned exactly on sealed envelop | |
|--|--|
| <p><u>EoI Details</u></p> <ul style="list-style-type: none"> • Notice No.: ----- • EoI for “Selection of Implementation Agency for Data Monetisation initiatives for Vadodara Smart City”. • Deadline for bid submission: <<DD MMM YYYY>> at <<HH:MM>> | <p>To, CEO Vadodara Smart City Development Limited</p> |

There will be TWO part in EOI response document:

Part 1: Pre-Qualification Bid, Bid Fees, EMD and soft copy in **CD/DVD/Pen drive/USB stick** with complete details as mentioned in Section 10

Part 2: Technical Bid and soft copy in **CD/DVD/Pen-drive/USB stick** with complete details as mentioned in Section 11 . The proposal shall also consist with all supporting documents, EOI copy, Addendum & Corrigendum, if any.

Notes:

1. The physical copy of Technical Bid, Tender Fee and EMD must be sent strictly through **Postal Speed Post/Registered Post AD/Courier/In-person** so as to reach on or before the deadline given in the EOI. VSCDL won't be responsible for postal delays.
2. VSCDL will not accept submission of a proposal in any manner other than that specified in the document. Proposals submitted in any other manner shall be treated as defective, invalid and rejected.
3. If the envelopes are not sealed and marked as instructed above, the VSCDL assumes no responsibility for the misplacement or premature opening of the contents of the application and consequent losses, if any suffered by the bidder.
4. Each bidder shall submit only one proposal containing documents as below. A bidder who submits more than one proposal under this contract will be disqualified
 - a. Original Copy of the Tender Fee and EMD
 - b. Pre-qualification Criteria Related Documents
 - c. Technical Proposal Related Documents
 - d. EOI Copy and Addenda & Corrigendum
 - e. The bidder shall prepare original set of the Application (together with originals/copies of documents required to be submitted along therewith pursuant to this document) and applicant shall also provide a soft copy on a Compact Disc (CD)/Pen-drive/USB stick. In the event of any discrepancy between the original and CD/Pen-drive/USB stick, the original shall prevail.
 - f. Each page of the above should bear the initials of the Applicant along with the seal of the Applicant in token of confirmation of having understood the contents. In case of consortium the bid will be signed by the lead bidder.
5. Pre-qualification and Technical Proposal should be signed by an authorized person of the bidder. The Pre-qualification Proposal should be submitted along with a certified true copy of a board resolution/power of attorney empowering authorized signatory to sign/act/execute documents binding the bidder organization to the terms and conditions detailed in this proposal. In case of the consortium, the lead bidder will submit this document.
6. Proposals must be direct, concise, and complete. VSCDL will evaluate bidder's proposal based on its clarity and completeness of its response to the requirements of the project as outlined in this EOI. The Chairman, VSCDL or Municipal Commissioner, VSCDL reserves the right to accept or reject any or all the proposals without assigning any reason.

4.14 Language of Bids

- The bids uploaded by the bidder and all correspondence and documents relating to the bids exchanged by the bidder and VMC/VSCDL, shall be written in English language, provided that any printed literature furnished by the bidder in another language shall be accompanied by an English translation in which case, for purposes of interpretation of the bid, the English translation shall govern.
- If any supporting documents submitted are in any language other than English, translation of the same in English language is to be duly attested by the bidder.

4.15 EOI Submission Format

The entire proposal shall be strictly as per the format specified in this Expression of Interest. Bids with deviation from this format shall be liable for rejection.

4.16 Acceptance of Terms & Conditions

The bidder will, by taking participation in the bidding process and submitting the bid documents, be deemed to have thoroughly read, studied and understood the bid documents including scope of work, the terms and conditions, instructions, etc. referred there in and the same are acceptable to the bidder.

4.17 Right to Vary the Scope of the Work at the Time of Award

VSCDL reserves its right to make changes to the scope of the work at the time of execution of the resultant Agreement. If any such change causes an increase or decrease in the cost of, or the time required for the SI's performance of any part of the work under the Agreement, whether changed or not changed by the order, an equitable adjustment (if required) shall be made in the Contract Value or time schedule, or both, and the Agreement shall accordingly be amended. Any claims by the SI for adjustment under this Clause must be asserted within thirty (30) days from the date of the SI's receipt of the VSCDL changed order.

4.18 Modification or Withdrawal of Bids

1. A bidder wishing to withdraw its bid shall notify VSCDL by e-mail prior to the deadline prescribed for bid submission. A withdrawal notice may also be sent by electronic means such as e-mail, but it must be followed by a signed confirmation copy, postmarked at least one day prior the deadline for submission of bids.
2. The notice of withdrawal shall:
 - Be addressed to VSCDL at the address named in the Bid Datasheet,
 - Bear the Contract name, the <Title> and <Bid No.>, and the words "Bid Withdrawal Notice."
3. Bid withdrawal notices received after the bid submission deadline shall be ignored, and the submitted bid shall be deemed to be a validly submitted bid.

4.19 Documents to be submitted

Following table is provided as the guideline for submitting various important documents along with the bid.

| # | Type of Folder | Documents to be submitted |
|----|----------------|--|
| 01 | Part 1 | <ol style="list-style-type: none"> 1. Bid Covering Letter as per Section 6.1 2. Check-list for the documents for Pre-Qualification Criteria as per Section 6.2 3. Bidders Particular as per section 6.3 4. Power of attorney/board resolution to the authorized signatory of the bid 5. EMD and Tender Fee 6. Copy of certificate of incorporation 7. Bidders Turnover Details and Networth per Section 6.4 |

| | | |
|-----------|--------|---|
| | | 8. Bidder's experience in Information Security projects, as per section 6.5, along with work orders and work completion certificates 9. Certificate as per Section 6.6, along with CV and copies of certifications 10. Copy of registration certificate and number - valid GST registration number. 11. Copy of Income Tax Returns (ITR) for last 3 FY (2015-16, 2016-17, 2017-18) and copy of PAN card 12. Declaration regarding blacklisting as per Section 6.8 |
| 02 | Part 2 | Technical Proposal as per section 6.9 |

Bidders shall furnish the required information on their EoI Proposals in the enclosed format only. Any deviations in format may make the EoI liable for rejection. All supporting documents required as per PQ criteria must be submitted along with required formats/forms.

4.20 Evaluation Process

- The bidder must possess the technical know-how and the financial wherewithal that would be required to successfully provide the services sought by VMC/VSCDL, for the entire period of the contract. The bidder's bid must be complete in all respect, conform to all the requirements, terms and conditions and specifications as stipulated in the EoI document.
- The evaluation process of the EOI proposed to be adopted by VMC/VSCDL is indicated under this clause. The purpose of this clause is only to provide the bidder an idea of the evaluation process that VMC may adopt. However, VMC/VSCDL reserves the right to modify the evaluation process at any time during the EoI process, without assigning any reason, whatsoever, and without any requirement of intimating the bidder of any such change.
- VMC/VSCDL shall appoint a Bid Evaluation Committee (BEC) to scrutinize and evaluate the Technical Bid received. The BEC will examine the bids to determine whether they are complete, compliant, and responsive and whether the bid format confirms to the EOI requirements. VMC may waive any informality or nonconformity in a bid which does not constitute a material deviation according to VMC.
- On opening the EoI response bid, if it is found that the Bidder has not submitted required documents as EoI requirements, then the Bidder shall be given a single opportunity to submit required documents/clarifications within 7 days from the intimation by VSCDL (through email communication mentioning stipulated date), failing which the bid shall be termed as non-responsive.

4.21 Evaluation of Bids

All the information provided for complying with the pre-qualification criteria will be evaluated. If required, VSCDL may invite bidders to make a presentation as part of the technical evaluation. The feedback received will be evaluated may be considered for designing the actual EOI.

VSCDL may require written clarifications from the bidders to clarify ambiguities and uncertainties arising out of the evaluation of the bid documents. Evaluation shall be done based on the information provided in the proposal (& subsequent clarification, if any) **and Clarifications / Answers given during the Presentation by the bidders** (if the presentations are held).

4.22 Selection Criteria for the next level

All bidders satisfying the Pre-Qualification criteria specified in this Document shall be qualified for next stage.

4.23 VSCDLs' Rights to Accept/Reject any or all Proposals

VSCDL reserves the right to accept or reject any proposal, and to annul the bidding process and reject all bids, 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 VSCDLs' action.

4.24 Notifications of consideration for next level

Prior to the expiration of the period of proposal validity, the bidder will be notified in writing or by fax or email that it has been considered for the next round.

4.25 Failure to agree with the Terms & Conditions of the EOI

Failure of the bidder to agree with the Terms & Conditions of the EOI shall constitute sufficient grounds for the annulment of selection.

4.26 Applicable Law

The Bidding Process shall be governed by, and construed in accordance with, the laws of India and the Courts at Vadodara shall have exclusive jurisdiction over all disputes arising under, pursuant to and/or in connection with the Bidding Process.

5 Indicative Scope of Work

VSCDL wishes the Data Monetisation Agency (hereafter referred to as “Service Provider”, “Selected Agency”, “Vendor”, and “Bidder”) to provide information about Data Monetisation ideas, to generate revenue from monetising the data/information available with VSCDL and data/information that will be generated by VSCDL in future. The Service Provider shall be responsible for the following Scope of Work given in brief:

5.1 Indicative Scope of work

Major goals for city data analytics are:

- Analyze and share city-level data to foster innovation and stimulate business activity in Vadodara Smart City
- Take advantage of recent advances in the field of Big-Data and analytics for improving efficiency in governance and business through evidence based strategising and decision making
- Raise revenue for contributing to Operation & Maintenance cost of the project infrastructure created by the VSCDL

VSCDL requires Data Monetisation efforts in two major domains:

- Improved internal data-driven decision making - Using data for your own business to unleash insights about your customers, clients and partners
 - Optimize business processes and resource allocations
 - Help in Reduce Costs where ever possible
 - Helps improve data management, governance and better knowledge based decision making
- External value added data monetization - Occurs when organizations are trading something of value for the data
 - Drive new products and services
 - Helps bring new competencies
 - Strike a competitive advantage
 - Help differentiate in market

5.2 Indicative Scope of work

- Identify opportunities based on strategic priorities on data and potential gap identified
- Evaluate infrastructure setup based on the availability and future scalability of data
- Identifying potential impact opportunity for internal data consumptions
- Implement & execute use cases in day to day practice
- Identifying potential impact opportunity for external data consumptions
- Gauging market trends and landscape
- Create use case with impact assessment
- Implement and execute use cases with external market players
- Set up infrastructure based on the feedback from use cases
- Build a monetary model for implement of the project
- Execute model with government and private sector

5.3 Activities to be performed

- Preparation of project plan & cost estimation
- Identify key data sets
- Organize data assets to build relevant use cases
- Shortlist and prioritize Use Cases for monetization offering
- Design a solution architecture
- Data Governance policies within and outside organisation
- Outline execution process and interaction within and outside organization
- Create a pilot/POC and test with customers
- Feedback incorporation to ensure market readiness
- Develop Solution Architecture for Data Repository and Interfaces with necessary feedback
- Market approach strategy & roadmap
- Strategic tie ups for monetization of data sets
- Generate steady revenue streams through streamlined data sets delivery

5.4 Envisaged Deliverables

Prepare list of products/solutions and services that should be procured to ensure end-to-end security of VSCDL/VMC ICT infrastructure. The Deliverables would comprise of

- Data Monetization Revenue Assessment Report
- Use cases for Data Monetisation
- Other documents asked in SoW/Activity list

5.5 IPR & Ownership of Data

All the data created as part of this project shall be owned by VSCDL/VMC. The data so generated (including analytical /processed data) shall be the property of VSCDL/VMC. Moreover, the data (raw as well as analysed data) shall be shared with VSCDL by the selected Agency at no cost to VSCDL during the project period.

The selected agency shall take utmost care in maintaining security, confidentiality and backup of this data. Access to the data / systems shall be given by the selected agency only as per applicable Security Policy, approved by VSCDL/ MouHA-Smart City Mission or as elaborated in the SOPs.

6 Formats & Check-list to be used for the Proposal Submission

6.1 EOI Cover Letter

(To be submitted on Bidder's letterhead duly signed by Authorized signatory)

Date: DD/MM/YYYY

To

CEO, Vadodara Smart City Development Limited (VSCDL)

Sub : Expression of Interest for Selection of Implementation Agency for Data Monetisation initiatives for Vadodara Smart City

Ref : EOI Notification No.: VSCDL/219/2019-20

Dear Sir,

Having examined the EOI, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to provide the professional services as required and outlined in the EOI for the “**Selection of Implementation Agency for Data Monetisation initiatives for Vadodara Smart City**”.

We attach hereto our responses to pre-qualification requirements and technical proposals as required by the EOI. We confirm that the information contained in these responses or any part thereof, including the exhibits, and other documents and instruments delivered or to be delivered to VSCDL, is true, accurate, verifiable and complete. This response includes all information necessary to ensure that the statements therein do not in whole or in part mislead the department in its short-listing process.

We fully understand and agree to comply that on verification, if any of the information provided here is found to be misleading the selection process, we are liable to be dismissed from the selection process and legal action.

We agree for unconditional acceptance of all the terms and conditions set out in the EOI document and also agree to abide by this EOI response.

We agree that you are not bound to accept any EOI response you may receive. We also agree that you reserve the right in absolute sense to reject all or any of the products/ services specified in the EOI response.

It is hereby confirmed that I/We are entitled to act on behalf of our company/ corporation/ firm/ organization and empowered to sign this document as well as such other documents, which may be required in this connection.

Signature of Authorized Signatory (with official seal)

Name :
Designation :
Address :
Telephone & Fax :
E-mail address :

6.2 Check-list for the documents to be submitted in EoI response

| # | Type of Folder | Documents to be submitted | Submitted | Page No |
|-----------|----------------|---|-----------|---------|
| 01 | Part 1 | <ol style="list-style-type: none"> 1. Bid Covering Letter as per Section 6.1 2. Check-list for the documents for Pre-Qualification Criteria as per Section 6.2 3. Bidders Particular as per section 6.3 4. Power of attorney/board resolution to the authorized signatory of the bid 5. EMD and Tender Fee 6. Copy of certificate of incorporation 7. Bidders Turnover Details and Networth per Section 6.4 8. Bidder's experience in the relevant projects, as per section 6.5, along with work orders and work completion certificates 9. Certificate as per Section 6.6, along with CV and copies of certifications 10. Copy of registration certificate and number - valid GST registration number. 11. Copy of Income Tax Returns (ITR) for last 3 FY (2015-16, 2016-17, 2017-18) and copy of PAN card 12. Declaration regarding blacklisting as per Section 6.8 | | |
| 02 | Part 2 | Technical Proposal as per section 6.9 | | |

6.3 Form 1 : Format to share Bidder's Particulars

<<To be printed on Lead Bidder Company's Letterhead and signed by Authorized Signatory>>

To,

CEO, Vadodara Smart City Development Limited (VSCDL)

Subject: "EoI for Selection of Implementation Agency for Data Monetisation initiatives for Vadodara Smart City".

Dear Sir,

Please find below details for participation in "EoI for Selection of Implementation Agency for Data Monetisation initiatives for Vadodara Smart City"

| Bidder Information Sheet | | |
|--------------------------|---|---------|
| # | Particular | Details |
| 1. | Name of the Organization | |
| 2. | Brief Description about the organisation and its line of business | |
| 3. | Company Website | |
| 4. | Type of Organization (Pvt. Ltd./Public Limited/LLP) | |
| 5. | Full Address of Registered Office | |
| 6. | Company Registration Details | |
| 7. | Date of Registration | |
| 8. | Details of any Global Certifications (ISO/ITIL/CMMi etc.) | |
| 9. | PAN/Equivalent | |
| 10. | GST Registration Certificate | |
| 11. | Address of Registered Office in India | |
| 12. | No. of Years of Operation in India | |
| 13. | Authorized Signatory Name | |
| 14. | Authorized Signatory Designation | |
| 15. | Authorized Signatory Contact Details (Mobile and Email Address) | |

Yours sincerely,

Signature of Authorized Signatory (with official seal)

Name :

Designation :

Address :

Telephone & Fax :

E-mail Address :

Note: To be submitted with any other supporting details specified as document proof in Section 3.4

6.4 Form 2 : Bidder's Turnover Details and Net Worth

<<To be printed on Lead Bidder Company's Letterhead and signed by Authorized Signatory>>
<<The same format to be used for CA Certificate>>

Date: DD/MM/YYYY

To,

CEO, Vadodara Smart City Development Limited (VSCDL)

Subject: EoI for Selection of Implementation Agency for Data Monetisation initiatives for Vadodara Smart City.

Dear Sir,

I have carefully gone through the Terms & Conditions contained in the EoI document for **“Selection of Implementation Agency for Data Monetisation initiatives for Vadodara Smart City”**. I hereby declare that below are the details regarding Overall Annual Turnover and Net Worth of our organization and consortium partner for last 3 financial years (FY 2015-16, 2016-17 and 2017-18).

| # | Details | | FY 2015-16 | FY 2016-17 | FY 2017-18 | Average |
|-----------------|---------|--|------------|------------|------------|---------------------|
| | | | (i) | (ii) | (iii) | [(i)+(ii)+(iii)+/3] |
| (in INR Crores) | | | | | | |
| 1 | Bidder | Overall Annual Turnover | | | | |
| | | Turnover from IT Services or Analytics Services (# as defined in PQ) | | | | |
| | | Net Worth | | | | |

Contact details of officials for future correspondence regarding the bid process:

| Details | Authorized Signatory | Secondary Contact |
|-----------------|----------------------|-------------------|
| Name | | |
| Title | | |
| Company Address | | |
| Mobile | | |
| Fax | | |

I further certify that I am competent officer in my company to make this declaration.

Yours sincerely,

Signature of Authorized Signatory (with official seal)

Name :

Designation :

Address :

Telephone & Fax :

E-mail Address :

Note: To be submitted with any other supporting details specified as document proof in Section 7.22

.

6.5 Form 3: Bidder's Experience in Data Analytics Projects

<<To be printed on Company's Letterhead and signed by Authorized Signatory>>

Date: DD/MM/YYYY

To,

CEO, Vadodara Smart City Development Limited (VSCDL)

Dear Sir,

I have carefully gone through the Terms & Conditions contained in the EoI document for “**Selection of Implementation Agency for Data Monetisation initiatives for Vadodara Smart City**”. I hereby declare that below are the details regarding relevant work that has been taken up by our company.

| Name of the Project (\$) | Name of Bidder | | | | |
|--|----------------|-----------|-----------|---|-----------|
| | Project 1 | Project 2 | Project 3 | - | Project n |
| General Information | | | | | |
| Client for which the project was executed | | | | | |
| Name of the client contact person(s) | | | | | |
| Designation of client contact person(s) | | | | | |
| Contact details of the client contact person(s) (Mobile and Email) | | | | | |
| Project Details | | | | | |
| Description of the project | | | | | |
| Scope of work of the bidder | | | | | |
| Deliverables of the bidder | | | | | |
| Tools and Technologies used | | | | | |
| Description of project features related to monetization of data analytics/ data insights/ revenue strategies | | | | | |
| Revenue Generated for the client (If any) | | | | | |
| Other Details | | | | | |
| Total cost of the project | | | | | |
| (If project is executed as a consortium member, then provide cost of work done as per scope of work allocation only) | | | | | |
| Duration of the project (number of months, start date, completion date, current status) | | | | | |
| Other relevant information <for each type of the project type> | | | | | |
| Mandatory Supporting Documents | | | | | |
| LoI/work order with full description of SoW and BoQ | | | | | |
| Contract agreement | | | | | |

| Name of the Project (\$) | Name of Bidder | | | | |
|---|----------------|-----------|-----------|---|-----------|
| | Project 1 | Project 2 | Project 3 | - | Project n |
| Copy of invoice submitted to the client | | | | | |
| Client certificate giving present status of the project and view of the quality of services by the bidder | | | | | |

(\$) Projects related to monetization of data analytics/ data insights/ revenue strategies

I further certify that I am competent officer in my company to make this declaration.

Yours sincerely,

Signature of Authorized Signatory (with official seal)

Name :

Designation :

Address :

Telephone & Fax :

E-mail Address :

Note: To be submitted with any other supporting details specified as document proof in Section 7.22.

6.6 Form 4: Undertaking for Technically Qualified Full-time Professionals on Company's Payroll

<<To be printed on Company's Letterhead and signed by Authorized Signatory>>

Date: DD/MM/YYYY

To,

CEO, Vadodara Smart City Development Limited (VSCDL)

Dear Sir,

I have carefully gone through the Terms & Conditions contained in the EoI document for “**Selection of Implementation Agency for Data Monetisation initiatives for Vadodara Smart City**”. I hereby declare that my company <company's name> has <number > technically qualified Information Security professionals as on 1st June 2019.

NOTE: To be filled for the lead bidder and consortium partner.

| # | Name of the Highest Resource | Date of Joining | Total Experience (in years) | Total Relevant Experience for the Proposed Position (in Years) | Certifications |
|----|------------------------------|-----------------|-----------------------------|--|----------------|
| 1. | | | | | |
| 2. | | | | | |
| 3. | | | | | |
| .. | | | | | |

I further certify that I am competent officer in my company to make this declaration.

Yours sincerely,

Signature of Authorized Signatory (with official seal)

Name :

Designation :

Address :

Telephone & Fax :

E-mail Address :

Note: To be submitted with any other supporting details specified as document proof in Section 7.22.

6.7 Form 5 : CVs of the Qualifying resources

<<CV of the proposed Manpower to be submitted in the following format>>

| | | | | | |
|-----|--|-----------------------|---------------------------|------------------------|-----------------|
| 1. | Name of the Staff | | | | |
| 2. | Current Designation in the Organization | | | | |
| 3. | Proposed Role in the Project | | | | |
| 4. | Proposed Responsibilities in the Project | | | | |
| 5. | Date of Birth | | | | |
| 6. | Education | Degree/Diploma | College/University | Year of Passing | |
| | | | | | |
| | | | | | |
| | | | | | |
| 7. | Key Training and Certifications | | | | |
| 8. | Language Proficiency | Language | Reading | Writing | Speaking |
| | | | | | |
| | | | | | |
| | | | | | |
| 9. | Employment Record (For the Total Relevant Experience) | From /To | Employer | Position Held | |
| | | | | | |
| | | | | | |
| | | | | | |
| 10. | Total No. of Years of Work Experience | | | | |
| 11. | Total No. of Years of Experience for the Role Proposed | | | | |

| | | | |
|-----|--|---------------------------------------|--|
| 12. | Highlights of Relevant Assignments Handled and Significant Accomplishments | Use following format for each project | |
| | | Name of Assignment/Project: | |
| | | Year: | |
| | | Location: | |
| | | Client: | |
| | | Main Project Features: | |
| | | Positions Held: | |
| | | Activities Performed: | |

| | | | | | |
|-----|--|---------------------------------------|--------------------|-----------------|----------|
| 13. | Name of the Staff | | | | |
| 14. | Current Designation in the Organization | | | | |
| 15. | Proposed Role in the Project | | | | |
| 16. | Proposed Responsibilities in the Project | | | | |
| 17. | Date of Birth | | | | |
| 18. | Education | Degree/Diploma | College/University | Year of Passing | |
| | | | | | |
| | | | | | |
| | | | | | |
| 19. | Key Training and Certifications | | | | |
| 20. | Language Proficiency | Language | Reading | Writing | Speaking |
| | | | | | |
| | | | | | |
| | | | | | |
| 21. | Employment Record (For the Total Relevant Experience) | From /To | Employer | Position Held | |
| | | | | | |
| | | | | | |
| | | | | | |
| 22. | Total No. of Years of Work Experience | | | | |
| 23. | Total No. of Years of Experience for the Role Proposed | | | | |
| 24. | Highlights of Relevant Assignments Handled and Significant Accomplishments | Use following format for each project | | | |
| | | Name of Assignment/Project: | | | |
| | | Year: | | | |
| | | Location: | | | |
| | | Client: | | | |
| | | Main Project Features: | | | |
| | | Positions Held: | | | |
| | | Activities Performed: | | | |

6.8 Form 6: Self Declaration Format

<<To be printed on INR 100/- Stamp Paper>>

Date: DD/MM/YYYY

To,

CEO, Vadodara Smart City Development Limited (VSCDL)

Dear Sir,

In response to the EoI Ref. No. _____ dated _____ for “**Selection of Implementation Agency for Data Monetisation initiatives for Vadodara Smart City**”, as an Owner/Partner/Director of _____, I/We hereby declare that presently our Company/Firm _____:

- a) possess the necessary professional, technical, financial and managerial resources and competence required by the Bidding Document issued by the VSCDL;
- b) have fulfilled my/ our obligation to pay such of the taxes payable to the Union and the State Government or any local authority as specified in the Bidding Document;
- c) is having unblemished record and is not declared ineligible for corrupt & fraudulent
- d) We further declare that presently our Company/Firm _____ is not blacklisted and not declared ineligible for reasons other than corrupt and fraudulent practices by any State/Central Government/PSU on the date of bid submission
- e) has not been terminated by any Government/Semi-Government or Public Authority or Public Institution in India or abroad, before the completion of respective Contract period for which it has executed the project or in process of execution of such project, on account of its poor performance, delay or abandonment of work by it
- f) is not insolvent, in receivership, bankrupt or being wound up, not have its affairs administered by a court or a judicial officer, not be declared defaulter by any financial institution, not have its business activities suspended and must not be the subject of legal proceedings for any of the foregoing reasons
- g) not has, and their directors and officers not have, been convicted of any criminal offence related to their professional conduct or the making of false statements or misrepresentations as to their qualifications to enter into a procurement contract within a period of three years preceding the commencement of the procurement process, or not have been otherwise disqualified pursuant to debarment proceedings
- h) does not have a conflict of interest in the procurement in question as specified in the EOI

If this declaration is found to be incorrect then without prejudice to any other action that may be taken as per the provisions of the applicable Act and Rules thereto prescribed by VSCDL, my/ our security may be forfeited in full and our bid, to the extent accepted, may be cancelled.

Yours sincerely,

Signature of Authorized Signatory (with official seal)

Name :

Designation :

Address :

Date :

Place :

Seal of the Organization:

6.9 Required format of the Technical Proposal

Bidders have to submit a structured and organized technical proposal, which will be analysed by VSCDL for different compliances with regards to the requirements of the project. Each point listed below must be provided in detail with the necessary supporting documents and assumptions. Information to be included by the bidders in their Technical Proposal is as follows:

1. Understanding of Project Scope – Bidders may also propose any additional scope which they deem necessary to achieve objectives set out for the project
2. Approach & Methodology for the assignment.
3. Description of Tools and Techniques that will be used for the assignment and deliverables
4. High level project plan with proper Timelines
5. Detailing of Project Risks & Mitigation Plan
6. Possible Risks that should be covered for Data Monetisation Initiatives
7. Sample assessment reports that would get generated at the end of such assignments
8. Approximate estimation of efforts required for this assignment (in terms of man-months as well as budgetary cost)
9. Case Studies of similar assignments executed in India/Abroad
10. Data Monetisation use cases
11. Approximate revenue that can be collected (INR per year) for each of the IT projects listed in annexure.
12. Business model for generating additional revenue
13. Valuable, pragmatic suggestions for Data Monetisation for VSCDL/VMC.

Annexure I – List of IT Projects and Datasets available

The following projects would be included for the assignment under this EoI. The description and nature of data sets (information) that can be monetised is also given in the following table:

Note: Data anonymization needs to be done in order to protect privacy of individual/citizen data. The below data sets may contain private information, that needs to be removed/stripped off/anonymised. The data set described are for general knowledge of bidders and some portion of them may not be given for monetisation due to security/privacy measures.

| # | Project Name | Description | Data Sets available |
|---|---|---|--|
| 1 | ICCC Projects | Integrated Command and Control Center, OFC Network, A number of IoT devices (including environmental sensors) | Video analytics/motion activities Environmental sensor data Vehicle number plates Emergency call data Advertisement on digital sign boards Vehicular density at each signal junction, congestion, commute timing (green corridor) |
| 2 | Public Wifi and iPoles | Approximate 450 Wifi hotspots, OFC Network (in PPP Mode). | Complete user statistics for public wifi usage (count, footfall at various locations, data consumed, handset used, historic trends) Advertisement on digital sign boards |
| 3 | ERP (eGovernance for VMC) | SAP and non-SAP based eGovernance systems for VMC (approx. 350 users / desktops. This system is under implementation. | Property tax Licences Birth and death registrations Marriage registrations Vehicle tax VMC facility booking (zoo/gardens) |
| 4 | Intelligent Transit Management System | GPS on 150 City Buses, PIS displays on 125 Bus stops | Transit data of city buses (Frequency, time taken, routes, Fare revenue collected etc.) |
| 5 | My Vadodara Mobile App | Mobile App for citizen (on IOS and Android Platform) | User profile, user behaviour, geo-tagged complains from citizens, footfall near heritage sites |
| 6 | Health Management Information System (HMIS) | HMIS system on cloud for around 40 Urban primary Health Centers | Patient registration database, citizen electronic health records, Diagnostics and prescriptions done at health centres, |

| | | | |
|----|--|--|---|
| | | | <p>drug inventory and consumption data, Common ailment patterns, disease outbreak info, ASHA workers touch points (mother and child tracking, family details, health program coverage information (state & national level))</p> |
| 7 | SCADA | SCADA system for (a) Water and (b) STP | Water SCADA : Water distribution usage stats, Water quality information (PH Chlorine etc.) |
| 8 | On-Surface GIS | A GIS system with 70+ layers of geographical and other information about VMC assets above and below ground | Geo-tagged property information Property tax details mapped on GIS, Public assets location and meta-data |
| 9 | Underground GIS Mapping | Mapping of Underground utilities in major roads of city using GPR and other techniques | Underground utility location details (Electricity, Water, Sewerage, Storm Water drains, OFC cables of telco, Gas etc). |
| 10 | 3D Drone mapping of city area | Hi res imaging and 3D mapping of city area using drones | Hi-res city images (2 cm accuracy), City skyline, 3D data of city buildings, outgrowth area real-estate details. |
| 11 | Solid Waste Management Vehicle tracking and Garbage pickup | Vehicle tracking of all SW vehicles, Garbage collected, Garbage dumped / recycled | Garbage pickup points (door-to-door collection), vehicle frequency, garbage collected, dumped on dumping ground, re-cycled |