

Office of the Electricity Department,
Thrissur Corporation, Thrissur,
Date : 28.09.2020

E7-4841/19

THRISSUR CORPORATION – ELECTRICITY DEPARTMENT

Expression of Interest Notification

Expression of Interests are invited from accredited software agencies interested to designing and providing software using Mobile Android Application for fetching consumers' power consumption data showing in the electric meter to Thrissur Corporation Electricity Department's (TCED) master server thus making TCED's meter reading system more efficient. Preferences will be given to organizations that have successfully completed similar work experiences in KSEBL or concerned affiliates.

The software application provided must be guaranteed for a minimum period of 5 years. Failure to do so may result in legal action, including black listing. The amount required by the department Rs.25,000/- should be submitted as Security Deposit along with the agreement by successful client.

Companies participating in EOI require GST registration and should be possessive of at least 5 years of experience in developing the above type of softwares. The software application should be prepared at a rate of not exceeding Rs.5,00,000/- including GST. Payment will only be processed upon confirmation from system administrative section that the Software provided is effective and infallible.

The EOI acceptable to the department will be examined by the IT department and the final decision will be taken with the analysis of the System Administrative section.

Moreover, Assistant Secretary, TCED shall have the power to cancelled the EOI or any further action at any time without any prejudices.

The Expression of Interest should reach on or before ...2... PM on 28/9/2020


Assistant Secretary
28/9/2020
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SCOPE OF WORK

The work by the Service Provider will comprise of the following activities, which are indicative but not exhaustive:

1. The User Interface should be neat and clean with minimal design, preferably a flat design with screens being vertically flow
2. The application should be Responsive and Independent of mobile browser.
3. The application should be easy to navigate and intuitive. The service provider should use the standard conventions, clean graphic design, easy user interface with adequate screen sizes, seamlessness, pleasing aesthetics, flow, etc.
4. The Application should facilitate the user to get the desired service with minimum number of page navigation. The application should present all the options to the user and provide navigation items in fairly specific groupings, which are easily recognizable and visible to the user. The goal is to have the user reach their desired service in as few clicks as possible.
5. There must not be any memory leaks consequent upon running the app on device, nor should the Application crash.
6. The Application should be able to work seamlessly and smoothly with all data bearers including GPRS, EDGE and 3G and 4G . The application, while running / transacting, should not consume more than 10 Kbps at any point of time.
7. The application should meet all the guidelines prescribed by Android and Microsoft for development, design, distribution and PERFORMANCE.
8. The Application should utilize most of the native controls by Android, Microsoft and custom controls only when it is imperative.
9. Development should be highly structured so that any addition / deletion/ modification of any new functionality / flow / UI would be easy.
10. The application should be scalable both in terms of the number of network elements and the number of end users. There shall be no limitations on these two accounts (i.e. No of Network and Users). The system shall further be near linear scalable as per the increase in network elements and users without affecting performance in online and batch process mode. It shall also support parallel servers for load balancing.
11. The application should ensure protection of data, user's information and should optionally support user authentication and authorization.
12. The application should comply with all functional, legal and regulatory requirements of the respective Application store, where the proposed application would be hosted.
13. Application should support standard and customizable user friendly reports.
14. The Application should maintain logs and keep a record of events for later verification.
15. The Proposed Application shall be designed with availability exceeding 99.95%. This availability figure excludes the planned maintenance and software and hardware upgrade times.
16. The Mobile App should be registered on TCED name .
17. The application should support all functionalities for billing modules of current running software. (Both Spot billing and monthly billing).
18. The size of the application should preferably should not exceed 10 MB in any case. Home screen should cover all major functionalities and navigation buttons.
19. The application could provide the facility to the user to configure the font size.

20. The successful Bidder/Applicant will have to provide prototype theme to TCED. TCED reserves the right to choose one of it or ask one more time for submission of fresh prototypes to choose from.
21. API details for connectivity of the hosting server with the information server/cloud will be provided by TCED. The service provider will have to ensure proper coupling and compliance to the API details.
22. The successful Bidder/Applicant will have to ensure proper deployment of application at GooglePlay store for Android, Windows marketplace and any other stores like Samsung and Sony. No additional expenses shall be borne by TCED on this account during the entire tenure of the contract.
23. All the requested data will be stored in TCED server.
24. Major Features of Application
 - a. Spot Billing Facility and monthly billing.
 - b. Spot Updation of Readings in database
 - c. Provided with Bluetooth Printing Services using POS printers
 - d. Unique Id generation on every installation where the app is locked for a particular configuration which improve security
 - e. Token Verifications on updation of readings
 - f. Location of Meter reader is provided in each updation of reading which provide the reader current location and path he follows on taking reading.
 - g. The coordinates of each consumer should be stored in database and should be verified on billing time and if needed updated with approval.


ELIGIBILITY CRITERIA:

1. The Bidder/Applicant shall be a company incorporated, registered under the Indian Companies Act, 1956 or by a competent authority in case of foreign Bidder/Applicant companies.
2. The Bidder/Applicant must not have been declared bankrupt / insolvent or should not have filed for bankruptcy / insolvency in the past five years or in the process of being declared bankrupt / insolvent before any designated authority in any country.
3. The company shall have a minimum audited annual turnover of INR 50 lakhs or equivalent each year during last 3 financial years.
4. Bidder/Applicant shall have full cycle implementation of Mobile application(s)
5. The Bidder/Applicant should have at least one Mobile application(s) in any domain, at the time of EOI submission.
6. The Bidder/Applicant should not have been black-listed by central/ state governments/ PSUs.
7. Experience & turnover of 100% owned subsidiaries can be considered for the purpose of eligibility conditions. However, subsidiary is not allowed to claim experience & turnover of its holding/ parent company.

GENERAL CONDITIONS

1. The vendor must be a reputed firm in IT solutions and have experience in Electricity Distribution billing software for the last 3 years. The EOI received without authority are liable to be rejected.
2. The Purpose of this EOI is to to implement Mobile Application in billing (both spot billing and monthly billing) of TCED.
3. The Bidders/Applicants are advised to study the requirements of TCED in details before submitting their EOI. The Bidders/Applicants may also submit the commercial formats on the basis of which they wish to take up the job.
4. AMENDMENT OF EOI DOCUMENTS
 - a) At any time, prior to the date of submission of bids, TCED may, for any reason, at its own initiative modify EOI document by amendments.
 - b) The amendments shall be notified on TCED web site, i.e. at <https://www.tced.in> and these amendments will be binding on all the Bidders/Applicants.
 - c) In order to afford prospective Bidders/Applicants a reasonable time to take the amendment into account in preparing their bids, TCED, at its discretion, may extend the deadline for the submission of bids suitably.
5. Bid shall remain valid for 180 days from the date of opening of bids. A bid valid for a shorter period shall be rejected.
6. The last date for receipt of sealed EOI in the Institute and opening of bids is mentioned on the first page of the document. No separate communication will be issued in this regard. Bids will be opened in the presence of the intending vendors or their authorized representatives, who wish to be present. In the event of due date being a closed holiday or declared Holiday for Government offices and TCED , the due date for opening of the EOI will be the following working day at the appointed date, time & venue.
7. Site for delivery & installation of products is in TCED, Thrissur
8. The vendors shall be invited for a presentation of their solution subsequently.
9. For any further details /clarifications pertaining to presentation, Office of TCED may be contacted.


G. S. S. S. S.


M. F. S.
Engineer
Department
Corporation