

GOVERNMENT OF WEST BENGAL
OFFICE OF THE CHIEF ENGINEER
MUNICIPAL ENGINEERING DIRECTORATE

Bikash Bhawan , South Block (1st Floor), Salt Lake
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No. ME / 3065 / 1M-33 / 2010 Pt.VII

Dated: 04/02/21

NOTICE INVITING QUOTATION

N.I.Q. No. ME/CE/02 of 2020-21 (2ND CALL)

Sealed quotations are hereby invited from bonafied reliable and resourceful developers related to web development for Preparing, Launching & Upgrading of the Web Site under Municipal Engineering Directorate, Urban Development & Municipal Affairs Department as per the Annexure I. The rates shall be quoted as per the following terms and conditions inclusive of GST & other taxes as applicable.

a)	<i>Name of the work</i>	: Preparing, Launching & development of a comprehensive online monitoring system for live tracking of ongoing engineering projects with three year upgradation & Maintenance of Municipal Engineering Directorate under the O/o. the Chief Engineer, M. E. Directorate, Department of UD&MA, Govt. of West Bengal, Bikash Bhavan, Salt lake City, Kolkata – 700 091 as per the Annexure-I
b)	<i>Developers / Authorized Agent eligible for submission of rate</i>	: <ol style="list-style-type: none">1. The proposed bidder should be a company registered under Indian Companies Act, 1956 or The Partnership Act, 1932, or Proprietorship Firm.2. Experience in the development of Mobile App / Web based in any Government Department/Board/Semi-Govt./Corporation/Statutory Authority / Undertaking etc.. Bidder should mention a reference to URL / App Name in this regard, if any.3. Last three years audited balance sheet, PAN Card, GST registration, and Trade License.4. List of software personnel engaged in his firm with professional qualification, the details of which have to be submitted along with documents.5. Earnest Money @ 2% of the quoted amount in two parts, vice<ol style="list-style-type: none">a. Rs. 1,000 (Rupees One Thousand only) as an initial Earnest Money Deposit shall accompany with Bid Proposal, in the form as depicted belowb. Earnest Money Deposit i.e. 2% of bid amount beyond Rs.1,000 (if any) shall have to be deposited after acceptance of Bid Proposal. <p>Note: - The Earnest Money, as specified in this NIQ shall be paid by offline along with Bid Proposal as</p>

		Nationalized/Scheduled Bank Draft in the name of Executive Engineer, M.E.Director, South 24 Parganas Division payable at Kolkata.
c)	<i>Nature of work put to Quotation</i>	: Stated in the ANNEXURE-I
d)	<i>Form in which quotation is to be submitted</i>	: On own Company Letter head
e)	<i>Date of Publication</i>	: 05.02.2021
f)	<i>Last date, time limit & place for dropping of quotation documents</i>	: 12.02.2021 Up to 1.00 P.M in the Quotation box kept at Office of the Chief Engineer, Municipal Engineering Directorate, Bikash Bhawan, South Block, Salt Lake, Kolkata-700091 in Executive Engineer (HQ)'s room.
g)	<i>Date, time & place of opening the quotation</i>	: 12.02.2021 at 1.30 p.m. at office of the undersigned in the room of Executive Engineer (HQ), O/o. the Chief Engineer, M. E. Directorate.
h)	<i>Minimum Period of Execution</i>	: 30 (Thirty) days from the date of work order issued.

The quotations are to be dropped in the Tender Box kept in the chamber of Executive Engineer (HQ), in the Office of the Chief Engineer, Municipal Engineering Directorate.

GENERAL INFORMATION :

Municipal Engineering Directorate (MED) under Urban Development & Municipal Affairs Department is entrusted to provide technical assistance to all Municipal bodies for execution of different projects, including AMRUT, BRGF, GREEN CITY MISSION, NULM, STATE FUND, SWM, UIDSSMT, HFA etc. It is the vision of the MED to develop an all-inclusive, expandable, inter-operable and flexible single window platform for Creation of Projects Register in Cloud Framework towards Digitization of Projects, Real Time Monitoring of Physical as well as Financial Progress, Data Analysis & creation of flexible KPIs for understanding of project planning & implementation phases drilled down up to individual component level, mitigation of issues so as to ensure projects completion in a timely manner.

TERMS & CONDITIONS:

1. The Technical & Financial proposal have to be dropped in separate envelope mentioning name of the Quotationer & Address.
2. The quoted rate should be inclusive of all taxes and all other incidental charges along with purchase of domain & space from secured agency.
3. The up gradation & Maintenance period for three year will be started after completion of website development satisfactorily justified by this office and will be paid on annual basis.
4. Any quotation which does not fulfill any of the terms and conditions or incomplete in any respect shall be treated as informal and be liable to be summarily rejected.
5. Work order may be issued to the lowest rate offerer(s) as per 'Evaluation of Technical & Financial Proposal to the agency.

6. Payment will be made from the O/o. the Chief Engineer, M. E. Directorate / or through Executive Engineer, South-24 Parganas Division by Cheque or e-Pradan System on submission of each bill in triplicate alongwith challan(if any) in duplicate (duly certified by the authorized officer of this office if applicable after completion of work.
7. The Security deposit as per Govt norms will be deducted from each bill for Sl No. 1 & Note 1 in Annexure 1 for development of website and will be refunded after one year period. No Security deposit will be deducted from up gradation & maintenance of the software to be paid annually.
8. The rates quoted should remain valid for 36 (Thirty Six) months from the date of Work Order issued to the successful quotation(s).After 36 Month Quotation Inviting Authority may Place the Separate Work Order in respect of Sl No. 2 of Annexure 1 with same terms & Condition with prior consent of Quotationer.
9. If the directorate acquired space in any govt. / non govt. hosting, all software & database are to be Transfer from inception to working stage complete in all respect compatible with storage system as per direction of Executive Engineer, M.E.Dte.
10. The Directorate in near future if asked to enhance the space capacity, the lowest quotationer may offer a rate for required space quantity on demand and if acceptable by Tender inviting authorities a separate work order will be issued in this regard.
11. The contract may be terminated without prejudice to any other remedy for breach of contract if the contractor fails to deliver service as per the "Terms & Conditions of contract" or fails to perform any other obligation under the contract.
12. No conditional Quotation shall be entertained.
13. The contract at any time will be terminated from any one of the party with prior notice at least 1(One) month before the termination of the contract.
14. A Quotation submitted shall remain valid for a period of 120 calendar days from the date of publication of Quotations. Any extension of this validity period if required will be subject to concurrence of the Quotationers.
15. There will be no escalation in cost and the contract price mentioned in the contract stands valid till completion period till up gradation & maintenance.
16. During scrutiny, if it is come to the notice to Bid inviting authority that the credential or any other papers found incorrect/manufactured/fabricated, that Bidder will not be allowed to participate in the Bid and that application will be out rightly rejected without any prejudice.
17. Any legal matter will be settled within the jurisdiction of Hon'ble District Judges Court at Kolkata, West Bengal.
18. The successful Bidder will be notified in writing of the acceptance of his Quotation. The Quotationer then becomes the "Contractor" and he shall forthwith take steps to execute Formal Contract Agreement in "WBF 2912" to be purchased from EE (South 24 Parganas Division) "with the "The Chief Engineer, M.E.Dte.", and fulfil all his obligations as required by the Contract.

The authority reserves the right to accept or reject any or all the quotation(s) without assigning any reason thereof.

The detailed N.I.Q, documents and other relevant particulars (if any) may be seen by the intending quotationer during office hours in the *Office of the Chief Engineer, Municipal Engineering Directorate, Bikash Bhawan, South Block, Salt Lake, Kolkata-700091 and also in Departmental Website.*


Chief Engineer
Municipal Engineering Directorate
Govt. of West Bengal

No. ME/3065 (1/10)/1M-33/2010 Pt.VII

Dated: 04/02/21

Copy forwarded for information and favour of wide circulation to:-

1. CEO, KMDA
2. Sri Saikat Dutta, Joint Secretary UDMA Department., IT Cell - with a request to Publish the NIQ in Deptt. Website.
3. The Secretary, M.E.Dte.
4. The Superintending Engineer (H.Q.), O/o. the Chief Engineer, M. E. Directorate.
5. The Pay & Accounts Officer, Kolkata P.A.O-III, IB Market Complex, Salt Lake
6. The Executive Engineer, (H.Q), O/o. the Chief Engineer, M. E. Directorate.
7. The Executive Engineer, South 24-Parganas Division, M. E. Directorate.
8. Sri A. K. Katariyar, Assistant Engineer, O/o. the Chief Engineer, M. E. Directorate.
9. Sri. S. Sett, Junior Engineer, O/o. the Chief Engineer, M. E. Directorate.
10. Office Notice Board, O/o. the Chief Engineer, M. E. Directorate.


Chief Engineer
Municipal Engineering Directorate
Govt. of West Bengal

ANNEXURE - I

Details of Web Site (Financial Criteria)

N.I.Q No. ME/CE/02 2020-21 (2ND CALL)


Sl. No.	Description of Item	Quantity. (No.)	Amount (Rs.) (including GST)
01.	Preparing & Launching of the Web Site for Municipal Engineering Directorate as follows: a. Core Architecture Cost (User Module , User & Jurisdiction Tagging Module, Role and Access Permission, Jurisdiction, ORM Definition, Creation of Schemes Database with Setting milestones for Each Scheme, Entry form for Schemes including Funding Pattern, Purpose etc) b. Creation of Project Database c. Project Physical Progress d. Project Approval Process e. Tender Process f. Issue tracking & resolution for each project g. Issue of Work Order h. Financial Progress of Project i. Fund Monitoring by State, Central, ULB & Beneficiary - Scheme Wise j. Dashboard k. Mobile App - Physical Monitoring / Report Forwarding	LS	
02.	Upgradation & maintenance the Web Site of Municipal Engineering Directorate along with Webhosting, domain, Space, SSL, site lock & backup tool for 3(three) years.	LS	
	TOTAL		

In Words:

Note: -

1. Payment for SL No. 1 will be made in three parts viz.,
 - a. Final go Live – 50 %
 - b. Completion of the project as per Direction of Executive Engineer(HQ) – 50 %
2. Rate inclusive all taxes should be quoted here. The amount for SL No. 2 will be paid on Yearly basis (Pro-rata base) after satisfaction of the executive engineer (HQ) and No security deduction for Upgradation & Maintenance will be made.

Signature of Quotationer


Chief Engineer
Municipal Engineering Directorate
Govt. of West Bengal

Scope of Work

For

Integrated & Comprehensive Online Monitoring System for Live Tracking of Ongoing Engineering Projects under Municipal Engineering Directorate

Municipal Engineering Directorate (MED) is entrusted to look after the works of all municipalities all over west Bengal. Now, MED intends to develop a comprehensive online monitoring system for live tracking of ongoing engineering projects. The organizational set up of MED involving engineer-officers which comprises the Secretary, M.E.Dte., at the apex level, followed by CE, ACE, SE &, EE at the field level. The officers of MED work closely liasoning with concerned ULBs (Urban Local Bodies) for project execution. While ULBs take care of funding of the project through Central / State Share / ULBs' own share and from beneficiaries (only in case of Housing Schemes). MED is entrusted to implement different schemes including AMRUT, PMAY, Rain Water Harvesting, NULM, UIDSSMT, STATE FUND etc.

Description of the project

The scope of the current project includes creation of a single window eco-system to represent a dashboard to present synoptic reports as well as every milestones related to all projects under MED covering all schemes.

The scope includes capturing information related to:

1. Creation of Projects with Master Data and Setting Project Milestones
2. Tender Process - NIT, No of Calls, Bid opening date, Last date of bid opening
3. Award of Works
4. Completion target
5. Mobile based live monitoring
 - a. Concerned CE/ACE/SE /EE should login through App
 - b. Update periodic progress
 - c. Facility for both Online / Offline monitoring
 - d. Site inspection review
 - e. MIC to review progress
6. Inspection report should include inspection date, who has done & when
7. Physical Progress of Works
8. At the time of projection for bar chart of project progress
9. If a project is getting delay, obstacles / hindrance of the project
10. Expenditure Part of the payment potion
 - a. Approved Estimate
 - b. Revised Estimate
 - c. Fund already spent
 - d. Fund utilized
 - e. Percentage of payment released
11. Issue tracking and resolution for each project
12. Miscellaneous MIS reports
 - a. Projects getting delayed
 - b. Reasons for delays
 - c. Total & list of ongoing projects
 - d. Total & list of completed projects
 - e. Project wise bar diagram to reflect milestones achieved / completed
13. Hierarchy Structure
 - a. MIC
 - b. Principal Secretary
 - c. CEO, KMDA
 - d. JS 1, JS 2, JS 3, JS 4
 - e. Secretary M.E,Dte.,
 - f. Chief Engineer, M.E.Dte.,
 - g. Additional Chief Engineer (North/South)
 - h. Superintending Engineer (East, West, North, South & Central)

- i. Executive Engineer (All Divisional Offices under M.E.Directorate)
 - j. ULB's (All Municipalities & Corporations)
14. Schemes
The Different ongoing schemes under this Directorate are
- a. AMRUT (PH I)
 - b. AMRUT (PH II)
 - c. PMAY (Housing for All)
 - d. State Fund
 - e. NULM (Shelter for Urban Homeless)
 - f. UIDSSMT
 - g. Green City Mission
 - h. SWM etc. etc.
15. Approval Process
Approval process of each scheme will be started from Executive Engineer and will be end to Chief Engineer maintaining the hierarchy in between.
16. Tender Process
Tender process of each component will be started from ULB and will be end to Chief Engineer maintaining the hierarchy in between.
17. Different issues of the Project components
Different issues of each component will be started from ULB and will be end to Chief Engineer maintaining the hierarchy in between.
18. BAR CHART/GANTT CHART FOR PROGRESS OF DIFFERENT PROJECT
Progress & Financial reports of a project must be reflected by Bar Chart/Gantt Chart/Pie chart as applicable as per Direction of Engineer-in-Charge.

ADDITIONAL DETAILS

1. BASIC DETAILS

1. Creation of Core Architecture for Users Management, User & Jurisdiction Tagging Module, Role and Access Permission, Creation of Database for Organizational Structure of MED with EMD (Employee Master Database) creation for Engineer - Officers of MED from Secretary up to Divisional Offices.
2. Creation of Schemes Database with scheme details including different funding patterns for different schemes and other scheme related KPI tracking.
3. Creation of Projects Database for different types of projects - funding pattern, setting flexible milestones for different projects to create comparative progress study through Charts & Diagrams.
4. Creation of database of Components for each type of projects. Setting flexible milestones for components for continuous progress monitoring & status update. Physical & financial progress monitoring on a real time basis.
5. Project Planning & Approval Process, Tendering, and Work Order at component level.
6. Physical Progress Update at Component Level to be done by the Divisions & onward.
7. Formulation of algorithm for overall project progress monitoring based on different input signals on real time basis.
8. Financial Progress Update. Monitoring of Fund received from GoI, GoWB, ULB & Others and subsequent allotments to different ULBs in respect of different projects.
9. Issue tracking & resolution for each component.
10. Dashboard Functions with Charts & Diagrams to reflect different KPIs.
11. Native Android Mobile App for Physical Progress Monitoring & Reports Forwarding
12. 3 years Cloud Web Hosting along with domain, SSL, site lock & backup tool w.e.f. date of completion as authenticated by the Engineer-in-Charge.

2. GENERAL TECHNICAL GUIDELINE

- a) The development is to be done using the Free & Open Source Technology Admin section must be protected by username and password and using salted MD5 encryption.
- b) The language of the Application will be English languages.
- c) The design will be user friendly with the logo and tagline of the Department.
- d) Dashboard with MIS and Analytical reports generation facilities
- e) The portal & mobile application availability will be freely available.
- f) The application should be browser independent and device independent i.e. accessible from majority of the browser and devices viz. Android Smartphone
- g) Should enable the authorized back end user to take action as per the Standard operating procedure
- h) User management and their authentication process should be built into the application.
- i) On demand photo capturing facility with GPS location from submission.
- j) Control Panel Login Credentials required to be shared with Administration.
- k) There should be provision to upgrade applications as an when required by Administration.

3. CO-ORDINATION WITH DIRECTORATE & QUALITY ASSURANCE

The agency has to send a representative on a fixed date in each week to know the working status of the site and any hindrance/problem in this respect has to sort out as early as possible. A dedicated communication mail id & whatsapp group has to be created in this respect for better communication and resolving the problems during running of site.

The code writing must have quality along with performance. The system must through rigorous quality testing till the final release of work. Standard coding guidelines should be followed for development. High standards of structured coding should be performed. All codes will be commented and properly documented.

There should be Software Quality Assurance team assigned to verify the development procedure and the process. Quality Assurance Team will not be part of the development team and will report directly to the Engineer-in-Charge who will be handling the project.

During Test planning & Test Execution phase, an estimated effort to complete the testing should be prepared. Based on the deadline a team size and members should be decided. During this phase the Team will do actual testing and the results will be stored using the standard format. The system should go through 2 formal rounds of Quality Control. Suggestions for improvement must be incorporated into testing process as per direction of Engineer-in-Charge.

The Agency shall maintain a daily backup of all work done on source code and project documents during the project development phase.

After the Final Deployment of the project, The Agency should provide a warranty, Free Technical support & Free Consultation which includes any and all kind of de-bugging and making sure that the system is running smooth from the inception to completion of whole up gradation period of 36 Months.

4. RIGHTS ON DATA & OWNERSHIP OF PRODUCT

- a) Directorate or his representative has all the rights on all the data furnished. The guidelines of the Agency shall be applied so that the code will be compatible with other development activities.
- b) The programming language for this project shall be PHP/MySQL(Optional) or any other as required for

high quality performance of the site.

- c) The working language for all communication and documentation should be in English.
- d) The successful quotationer has to acknowledge that he/she has no right to or interest in any copyright to the work, products, documents, reports, or other materials resulting from the services performed after completion of this project. The Agency must agree that the services and products listed in this Agreement are exclusively commissioned for Municipal Engineering Directorate. The Agency must transfer all the legal rights to the Municipal Engineering Directorate along with copyright of the work described in this Agreement.



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