MAHATRANSCO
Maharashtra State Electricity Transmission Co. Ltd.

MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO. LTD.
(CIN NO. U40109MH2005SGC153646)

Office of The Chief Engineer (ACI & P)

Old Load Despatch centre Building, Thane Belapur road,
Airoli Sector-1. Navi-Mumbai–400708. Tel. No: 022-27600405
E-mail : ceaci@mahatransco.in, Web: http://www.mahatransco.in

MSETCL/CO/CE (ACI&P)/PAMS/No. 61   **Date: 15.02.2023**

E-ENQUIRY

SUB : E-Enquiry for 'Development, Testing & Implementation of Web browser, Android and iOS mobile phone based software tool for 'Project Activity Management System' for the upcoming project of 250 nos 132kV substation visibility to SLDC'.

Dear Sir,

Sealed and superscribed quotations are invited for 'Development, Testing & Implementation of Web browser, Android and iOS mobile phone based software tool for 'Project Activity Management System' for the upcoming project of 250 nos 132kV substation visibility to SLDC' as per the Schedule 'A'.

The Techno-commercial bid with price bid / quotation in sealed envelope should reach to this office on or before **27.02.2023** positively.

E-ENQUIRY PERIOD	**From 16.02.2023 to 27.02.2023**
Submission of Sealed and superscribed Quotations	**On or Before 27.02.2023, 18:00 Hrs.**
Opening of the Quotations	**28.02.2023 at 11:00 Hrs. (if possible)**
Estimated Cost	**Rs. 9,97,100/- (inclusive of all taxes)**
CONTACT PERSON	**MR. Sunil Bansod (EE) -- 9769213896** **Mr. Ashish Bhute (AdEE) -- 9833817495**

The general terms and conditions are as below.

1. Techno-commercial bid :

Following are the list of qualifying documents required, please attached for qualifying in the Techno-Commercial Bid and submit in sealed envelop. [please attach authorized signed & stamped photo copies of the following documents]. Mention E- Enquiry Subject, Agency name and Address on the envelope.

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a) PAN Card.

b) Valid Shop and Establishment Act License/ Company Incorporation Certificate.

c) GST Registration certificate.

d) Income Tax Return for last 3 Years (AY 19-20, 20-21 & 21-22).

e) Bidder should have Experience of software design and development for any other Govt. Company or for reputed Pvt Ltd Company. This work should not be more than last three year and satisfactory working certificate should be enclosed with bid.

f) Work order for above should be in a single order not less than 70 % of estimated value.

g) Minimum Average Annul turnover of bidder should not be less than 50% of estimated cost in last three year. The bidder should have to produce certificate duly signed by C.A. along with UDIN.

h) Bidder should visit to site/ office to understand complete scope and submit confirmation of understanding of scope with bid.

i) They should have Net worth not less than 20% of estimated cost. The bidder should have to produce certificate duly signed by C.A. along with UDIN.

2. SCOPE OF WORK :

The scope of work shall be as per **Annexure - A** attached. There may be few variations in the project format requirement. The software application development shall be in coordination with the MSETCL engineers assigned for the work by CE, ACI&P. The bidder should carry the survey and understand the scope of work before bidding.

3. Time period :

The time period for work completion shall be **45 day from the date of LOA**.

4. PRICE SCHEDULE :

The prescribed form for **price bid i.e Schedule 'A'** duly filled in with the rates written in words and figures and signed should be sent by Registered post or in person to The Chief Engineer, ACI&P Section, MSETCL, C.O., Airoli. **(In sealed envelope along with the technical bid).**

5. Please Super scribe the offer with the following details :-
A] Quotation for :-
B] Due Date :-
C] Name of the Bidder :-

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6. **DISQUALIFICATION:**

Quotations which do not fulfill all or any of the qualifying conditions or are incomplete in any respect are liable to be rejected. Bidder should not submit "Conditional Quotations''; Such conditional offer shall liable for rejection.

7. CE, ACI&P, has the full authorization in this regard and / or relaxing / accepting minor deviations / conditions in benefits of the tender.

8. **TERMS OF PAYMENT :**

A) NO advance payment.

B) 90% of payment will be made by the MSETCL, C.O. Mumbai within 45 days after satisfactory completion of the work, on receipt of your bill in triplicate and certificate obtaining from the Engineer incharge for the work executed.

C) Balance 10% (for the completed works) shall be paid within 45 days after successful commissioning of the works and finalization of levy of Liquidated Damages.

D) PRICE VARIATION :
In this tender the prices are on firm price basis. PRICE VARIATION (PV clause) is NOT APPLICABLE here.

PRICE VARIATION DUE TO VARIATION IN TAXES :
Variation in Statutory Taxes / Duties which bidders have indicated in price bid if any will be payable. Therefore, price variation due to variation in taxes is applicable for this tender.
The Statutory taxes / duties will be paid / reimbursed as per actual OR as stated in Price break up statement whichever is lower on submission of valid documentary proof.

E) Please quote your PAN No, Both Contractors and MSETCL's GST No. on your bill, Tax invoice / Invoice No. and invoice date.

F) 1% labour cess will be deducted from your bill.

Regd. Office: "Prakashganga", Plot No.C-19, "E" Block, Bandra – Kurla Complex Bandra (E), Mumbai. 400 051

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9. TAX DEDUCTION AT SOURCE:

In accordance with I.T. Act 1961, I.T. will be deducted at source at the prevailing rates from the bills. Similarly any other tax deductible at source, if applicable to this particular contract, as per statutory (laid down by Central or State Government), will also be deducted from the bills at the prevailing rates.

10. You should not affect the transfer of work or any part of it to any other agency. You will be covered under standard terms and condition contained in MSETCL tender and contract for the works.

11. Any amount which becomes payable by you to the company under this contract can be deducted by the company from any amount or any amount dues on you. The amount of security deposit paid by you will also be adjusted against such payments.

12. SECURITY DEPOSIT :

The successful bidder should pay security deposit at the rate of 10% of the value within 15 days from the date of receipt of order, to MSETCL, C.O., Mumbai in form of Cheque / DD / BG / FDR of Nationalized Bank or Schedule Bank which will be refunded after 1 year after completion of work successfully or completion of guarantee period or same will deduct through bill.

13. AGREEMENT BOND:

The successful bidder will have to execute an Indemnity Bond on stamp paper of Rs.500/- at his own cost within 10 days from the date of receipt of order.

14. GUARANTEE:

You will have to give the scope of work guarantee provided by your firm for any defect or software bug arising in application tool over a period of time of TWO year , you will have to give free maintenance / service and repairs within the warranty period.

15. PENALTY:

The penalty / liquidated damages shall be levied at 1/2% (half percent) of the total contract price per week of delay subject to maximum of 10% (ten percent) of the contract price for the entire scope of work. In case of such maximum delay, the contract may be terminated by the Owner and the balance work shall be completed by the Owner at the risk and cost of the Contractor.

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16. TERMINATION OF CONTRACT:

The undersigned reserves the right to cancel the contract, after giving due notice to the contractor, in the event of the breach of contract in any respect.

17. APPLICABILITY OF GENERAL CONDITIONS OF CONTRACT:

Notwithstanding anything stated here in the Company's General Conditions of Contract shall be applicable to the contract, as far as they are applicable, in respect of this order.

18. JURISDICTION :

The jurisdiction of all legal proceedings / suits as regards to the works under contract will be under Mumbai District Court.

19. In case of any dispute regarding any clause of the work order or works, the decision of the undersigned will be final and binding on you.

Encl. : 1. Schedule 'A' : Price Schedule
**   2. Annexure 'A' : Scope of work**

Yours faithfully,

Sd/-
Chief Engineer (ACI&P),
MSETCL, Airoli.

Copy to :-
The Senior Manager (F&A), MSETCL, C.O., Mumbai.

Copy to :-
1) The Notice Board

Development, Testing & Implementation of Web browser, Android and iOS mobile phone based software tool for 'Project Activity Management System (PAMS)'---Activites requirement

Annexture-A

Sr	Area	Requirement
1	Project Management	The user should be able to add users (organisation and contractor/vendor) to the specific project.
2		The user should be able to set project start date and planned end date
3	Activity Management (MS Projects type)	The user should be able to add one or more activities in the project
4		The user should be able to specify predecessor and successor of a particular activity.
5		The user should be able to assign the activity to self or other person.
6		The user should be able to specify if any approval/permission required to complete the specific activity.
7		The user should be able to add child activity e.g. L1 (level 1) activity may have 5 L2 activity and each 2 may have 10 L3 activities and so on minimum upto L5.
8		Each activity should have FROM and TO date. The TO date can be either derived based on specified DURATION.
9		The user should be able to specify dependency among the activities e.g. activity 3 depends on completion of activity 2 which intern depends on the completion of activity 1
10		The user should be able to specify if notification is needed a few days in advance when the predecessor is going to finish. E.g. Let's say after activity #2 must start after completion of activity #1. Now, the person to whom activity #2 is assigned should get
11		The user should be able to add/remove attachments upto specified size each e.g. 10 MB per file.
12		The user should be able to delete or update activity.
13		The user should be able to add comment in the activity.
14		The user should be able to mark impediment with comment e.g. due to flood in the area, a particular activity can't be completed.
15		The (horizontal) bars on the screen can be colour-coded - either status-wise or level-wise. (Implementation feasibility to be checked)
16		The user should be able to assign weightage to the particular activity.
17		The user should be able to propose to add activity in the project plan. Admin to approve/reject.
18		The admin should be able to reject the task (from vendor). In this case, the status should change and audit trail information should be logged.
19		The user should be able to specify who is responsible for the particular activity. Following will be the dropdown values : MSETCL, <Vendor 1 name>, <Vendor 2 name>, Other/Third-party
20	Vendor Management	The system admin should be able to create, update, delete, list vendors in the system. This vendor list then will be available in various screens such as reporting
21	Quantity Freezing	The system should have a section for project initial data e.g. number of transformers, number of substations etc.
22		The user should be able to specify the above mentioned details in terms of key-value pairs
23		The user should be able to "Save" the data in the draft mode for interrupted editing.
24		The user should be able to "Submit"the data (which will be marked as project base data)
25		The user should be able to enter "survey data" (one-to-one against the base project data)
26		The user should be able to "approve" the survey data as is or with changes. This data will be stored as "frozen" data. The fronzen data will be used in the project for further reference.
27		The project admin and super admin will have authority to approve or reject the survey data
28		The quantity freezing module will work on its own / standalone. There will not be a direct relation (or stock keeping) with reference to the indivdual project activities.
29	Dashboards & Reports	Fleet view monitoring in various type of charts
30		Dashboard element #1 : Overall project % status
31		Dashboard element #2 : Substation-wise and responsibility-wise status (piechart/barchart/suitable element)
32		Dashboard element #3 : S-curve (planned x actual progress considering task weightage)
33		Report #1 : List of issues pending due to impediments e.g. flood in the area
34		Report #2 : List of overdue issues
35		Report #3 : List of rejected tasks
36		Historian data dash board
37		The user should be able to print the report and export the data in MS Excel format.

Development, Testing & Implementation of Web browser, Android and iOS mobile phone based software tool for 'Project Activity Management System (PAMS)'---Activites requirement

Annexture-A

Sr	Area	Requirement
38	Screens/views	There should be a board view where user can track activity based on the status.
39		The board should allow drag-and-drop of task from one status to another.
40		There should be MS Project type screen where left section shows the activities along with the dependencies and right side section shows the weekly/monthly/quarterly/yearly timeline.
41		The user should see the tasks assigned to him/her after logging-in.
42		The user should see the most recent tasks which are worked on by the logged by him/her.
43		The system should have screen to maintain project initial data, survey data and freezing
44		The user should be able to see who has created project data, who has submitted survey data, who has frozen the data along with the timestamps and comments if any.
45		The user should see a consolidated view where all the involved projects are listed along with the above two points.
46	User Management	The system should have super admin role. This user will have all the rights in the system.
47		The system should have following roles other than super admin - project owner - zonal monitor - field users (testing, commissioning, finance, automation, communication etc.) - ACI&P - Vendor admin - Vendor users Note: The "vendor users" and "field users" of different type will not have different roles. The field users will be able to view tasks assigned to them and update the progress. The exact access details will be discussed in the requirement gathering meeting after project starts.
48		The admin should be able to upload photo ID card of users.
49		Each user except super admin will be tagged to MSETCL hierarchy i.e. zone, circle, division, sub-division etc. The user will see data based on their hierarchical position.
50		Each user should be assigned to one company code e.g. MSETCL / Vendor / Other
51		On the mobile device, one user should be able to login from one device only.
52		The user can simultaneously use mobile and web application.
53		Super admin and admin should able to manage the users in the system i.e. create, update, delete, list, reset password, maintain profile in the system.
54	System features	The system should let the user login securely with email ID and password. This is standalone and does not integrate with client's domain.
55		The system should let the user reset their password if forgotten.
56		The web application must run on HTTPS website.
57		The system should log each activity for audit trail purposes e.g. user X created project Y on Z date-time.
58	Notifications	The system should send email and notification to the user when an activity is assigned to them.
59		The system should send a push notification to the user when an activity is assigned to them.
60		The system should send email notification to the user having sucessor activity when its predecessor activity is complete / delayed.
61		The system should be able to send SMS notification. - MSETCL's email system shall be used for email notification
62	Hosting and storage	Deployment on MSETCL coloud system
63	Service and support	Three year service and support after confirmation of acceptance tesing and deployment of software tool.

SCHEDULE- A

PRICE SCHEDULE

(SUB: Development, Testing & Implementation of Web browser, Android and iOS mobile phone based software tool for 'Project Activity Management System' for the upcoming project of 250 nos 132kV substation visibility to SLDC')

Sr No.	Particulars	Qty	Unit	Unit Ex-work (in INR) (Incl.F&I,Labour cess etc.)	Applicable GST in %	Total Prize without GST (in INR)	Total Prize with GST (in INR)
1	Development, Testing & Implementation of Web browser, Android and iOS mobile phone based software tool for 'Project Activity Management System (PAMS)' as per MSETCL requirement with complete acceptance testing and service and support for three year after acceptance.	One	Job				
2	Deployment on MSETCL cloud system	One	Job				
	Total						

Note ;- Unit rate including all duties,
          charges and taxes, excluding GST

Seal and sign of Agency