



NEW TOWN KOLKATA DEVELOPMENT AUTHORITY

(A Statutory Authority Under Government of West Bengal)

Plot No. DG/13, Premises No. 04-3333, Action Area-ID,
New Town, Kolkata - 700 156

Memo No: 4466/NKDA-14013/1/2022-IT SEC(NKDA)-NKDA

Date: 13/06/2020

Expression of Interest (EOI) NO.: 01 / EE (E) /NKDA of 2022-23

New Town Kolkata Development Authority (NKDA) invites sealed tenders under two bid systems from eligible firms/companies for “Design and Development of NFT [Non-Fungible Token] based Record of Title (Mutation) by NKDA”

The Sealed bidding document (Technical Bid & Financial Bid duly filled and signed) should be addressed to the Administrative Officer-I at the office of New Town Kolkata Development Authority. Tender received after stipulated time and date shall be rejected summarily.

1. IMPORTANT DATE :

Sl. No.	Particulars	Date & Time
01.	Pre-Bid Meeting	20/06/2022 at 1:00 P.M. Venue: NKDA Conference Room, 4th Floor, NKDA Bhawan, Near Kolkata Gate DG Block, AA-I, New Town Kolkata
02.	Last Date of Submission	20/07/2022 at 2:30 P.M.
03.	Date of opening of Technical Proposal	20/07/2022 at 3:00 P.M.

2. Pre-bid query should be mailed to NKDA by 19th June 2022 by email: sm@nkda.in containing the Clause No, Clause, Query and Remarks.

3. The tender document may also be downloaded from our web site www.nkdamar.org.

4. The NKDA has right to accept / reject any of the Tender(s) without assigning any reason whatsoever and shall be final and binding.

5. GENERAL CONDITIONS: -

- 5.1. The bids received without prescribed performance certificate shall be rejected.
- 5.2. Validity of the contract: The period of contract shall be for a period of 01(one) month from the date of issue of the Work Order.
- 5.3. **Agencies are advised to go through NKDA website for understanding on the Record of Title (Mutation) by NKDA to familiarise on the nature of work realistically before submission of the proposal.**
- 5.4. Conditional tender will not be entertained and shall be deemed as ‘informal’ and rejected.
- 5.5. The quoted rates should include the cost of development, cloud hosting, testing, deployment, training, and maintenance for one year and any such other charges related to hardware. No other charges except the quoted rate will be paid.
- 5.6. The rates should be mentioned in figures as well as in words including of taxes and levies.
- 5.7. The Tender Inviting Authority reserves the right to deny or accept or reject any or all the bids and even to annual the tendering process at any point of time without prejudice to further action and without assigning reason thereof.
- 5.8. The undersigned reserves the right to terminate the Contract at any point of time giving upon 10 (ten) days prior notice in writing without compensating the bidder in case of any breach of tender clause.

6. MINIMUM ELIGIBILITY CRITERIA:-

- 5.1 The prospective bidder having credential of experience on NFT or Blockchain based Application for at least 03 Years under authority of State /Central Government, State / Central Government undertaking / Statutory Bodies Constituted under the Statute of the Central /State Government/ Corporate may participate.
- 5.2 PAN Card, GST Registration Certificate, Valid Trade license showing office address in Kolkata/ certificate of enlistment as mentioned in point. 5.4. are to be accompanied with the Technical Bid Documents.
- 5.4 Registered Partnership Deed for Partnership Firm only along with Power of Attorney is to be submitted along with the application. The company shall furnish the Article of Association and Memorandum. For Start-ups evidence of registration with DIPP, Ministry of Commerce and Industry certificate to be submitted.
- 5.5 A prospective bidder shall be allowed to participate in a particular job either in the capacity of individual or as a partner of a firm. Consortium bids will not be allowed.

7. SCOPE OF WORK:

1. Currently New Town Kolkata Development Authority (NKDA) is undertaking Record of Title (Mutation) through online mode under e-District platform where Citizen is applying for the said service and getting the digitally signed Certificate. Now, as directed, the Non-Fungible Token (NFT) may be introduced for all properties which are under the jurisdiction of NKDA.

2. **Broad Scope of Work:**

- a) All the Properties are identified with a unique NFT hash code which are to be assigned by the Authority.
- b) In case of transfer of Property, Citizen has to collect and update the NFT Information for further necessary changes in the NKDA's Record.
- c) In case of devolution, the NFT will be parallelly transferred to all the dependents to that Property through Fractional Ownership.
- d) The NFT will tagged with the Deed Information for the validation of Data.

3. **Proposed Scope of Work:**

- a) Creation of a private blockchain for the NFT application.
- b) Creation of NFT hash code for all Properties.
- c) Integration with the Record of Title (Mutation) under e-District.
- d) Updating of NFT Records in case of transfer of Property.
- e) Validation of NFT Records by the Authority.
- f) Generation of NFT Virtual wallet against each Property.
- g) Provision of recovery of NFT Records in case of lost / missing of the Document.
- h) Integration with acquiring bank of NKDA/HIDCO for payment collection.
- i) The mutation charges prevalent in NKDA area must be credited to NKDA via NFT Smart Contracts post every applicable mutation.
- j) NKDA must have access to a customisable suite of smart contracts that enables the issuance, management such as minting, editing, blocking, updating and transfer of permissioned tokens.
- k) All NFT transactions and transfers must be visible and tracked in a dashboard.
- l) NFT Token: A physical NFT token with unique identification no and other details must be printed for every transaction and provided to the new owner post mutation.
- m) Integration with ICC (Integrated Command and Control Centre) through API for real time monitoring.
- n) Design of workflow and secure intuitive application for the project.

8. Payment Terms:

- o) After Go-live and Satisfactory Performance of the System – 70%.
- p) After successful running of the system from 03 months after the Go-Live – 20%
- q) The rest 10% will be release at the end of maintenance period, i.e., 01 Year after Go-Live.

9. **Security Deposit:**

2% of the Billing Amount will be deducted in each milestone of Bill which is kept as a Security Deposit for the entire period of the contract.

10. The bidders will submit the details of man power to be deployed for the project work before undertaking the work i.e. name, address, mobile no. etc.
11. Weekly progress report of project work undertaken will have to be submitted to NKDA on every Monday showing the details of work undertaken during the period.

12. **Deliverables :**

- a) SRS
b) Source Code
c) Hosting to be made in Cloud empanelled under the Ministry of Electronics and Information Technology, Government of India.
d) SSL
e) External audit report certifying that the developed application incorporates blockchain and NFT technology.
f) Security Audit must be conducted by the Agency.
g) 1 No of Printer for printing physical NFT tokens in a credit card format.

13. **Completion Period:**

13.1. Go-Live of the application includes SSL Certification, Security Audit, to be made within 90 days from the date of issues of formal work order & Agreement.

13.2. Maintenance Period : 1 yr. from the date of Go-Live.

14. **DOCUMENTS TO BE SUBMITTED:**

1. Name of the firm & Owner 2. (with Tel./Mob. Nos.) 3. Email Id	
4. Office Address with Tel./Fax/Mob Nos. 5. Email Id	
6. Contact Person(s) Name with 7. Tel/FAX/Mob Nos. 8. Email ID	
9. Audited financial statement / audited annual report of the last three financial years. Or DIPP, Ministry of Commerce and Industry registered Start-up Certificate.	
10. Any Organisation having experience on NFT or Blockchain based Application for at least 03 Years.	
11. Valid Trade Licence.	
12. Pan Card	
13. GST Registration Certificate	

15. The bidder has to submit 2(two) sealed separate envelopes respectively envelopes for “**Technical Bid**” and “**Financial Bid**” in a big outer sealed cover superscribed “*Design and Development of NFT based Record of Title (Mutation) by NKDA*”.

16. **MODE OF SELECTION**

The evaluation of the Technical bids will be carried out in the following manner: -

- (i) Technical Bids will be evaluated of only those bidders who fulfil the eligibility Criteria.
(ii) Required document list.
(iii) Past experiences.

17. BID PRICES

The bidder shall have to quote bid Prices on the appropriate format for "Schedule of Rates" enclosed as part of bidding document.

18. OPENING OF TENDER:

Tender shall be opened as per Date and Time Schedule. In case Tender opening date is declared HOLIDAY, Tender shall be received and opened on next working day at the same time specified in the EoI document.

19. The successful bidder whose bid is accepted shall make formal agreement along with bid documents in triplicate, within 7 (seven) days from the date of issue of LOI by, New Town Kolkata Development Authority. If the successful bidder fails to perform the formalities within the specified period the Tender is liable to be cancelled and the Bid Security will be forfeited.
20. The offer shall remain valid for 180 days from the date of opening of the tender.
21. The bidders are bound by the terms & conditions of EOI document which forms a part and parcel of this contract.
22. Prospective applicants are advised to note carefully the eligibility criteria before bidding.
23. Conditional / Incomplete bid will not be accepted under any circumstances.
24. Any Corrigendum, notification in connection with this EOI will be published in the official website of New Town Kolkata Development Authority (www.nkdamar.org). The applicants are requested to follow the websites for such notifications, corrigendum etc.
25. The accepting authority reserves the right to reject any or all the bids without assigning any reasons and will not be bound to accept either the lowest bid or any of the bids.

Executive Engineer (E)

New Town Kolkata Development Authority

Memo No: 4466/NKDA-14013/1/2022-IT SEC(NKDA)-NKDA

Date: 13/06/2022

Copy forwarded for information and necessary action to :-

1. Chief Executive Officer, New Town Kolkata Development Authority.
2. Administrative Officer-1, New Town Kolkata Development Authority.
3. Finance Officer, New Town Kolkata Development Authority.
4. System Manager, New Town Kolkata Development Authority.
5. PA to Hon`ble Chairman, New Town Kolkata Development Authority.
6. Office Notice Board.
7. NKDA official website. (www.nkdamar.org)

Executive Engineer (E)

New Town Kolkata Development Authority

FINANCIAL BID DOCUMENT

(To be submitted separately in sealed envelope)

Sl. No.	Nature of work	Total Cost
01.	Design and Development of NFT based Record of Title (Mutation) by NKDA	

Cost in Word:

N.B: Rate is inclusive of GST.

(Name and Signature of Tenderer
with stamp of the firm)