



NEW TOWN KOLKATA DEVELOPMENT AUTHORITY

(A Statutory Authority under Government of West Bengal)

3, Major Arterial Road • New Town • Kolkata – 700156

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Memo. No. 5286 /NKDA/Engg-36/2010(XII)

Date: 19/05/2021

NOTICE INVITING e-TENDER

Notice Inviting e-Tender No. WBNKDA/01/EE-I/NKDA/2021-22.

Executive Engineer – I, New Town Kolkata Development Authority invites e-tender from resourceful, reliable, bona-fide and experienced working contractors of KMDA, WBHIDCO, NKDA, PWD, PHED and other Govt. Departments having experience in similar nature of work are requested to submit their offer for the work detailed below.

(Submission of **online bid**)

Sl. No	Name of the work	Estimated Amount (Rs.)	Earnest Money (Rs.)	Price of Tender documents (Rs.)	Period of Completion
1	CONSTRUCTION OF IOT ENABLED SMART FENCING ON MAJOR ARTERIAL ROAD FROM MAHISBATHAN BOX BRIDGE TO KOLKATA GATE (APPROX. 17.4 KM), NEWTOWN, KOLKATA	Rs. 10,43,05,523.00 (Rupees Ten crore forty three lakh five thousand five hundred twenty three) only	Rs. 20,86,110.00 (Rupees Twenty lakh eighty six thousand one hundred ten) only	Rs. 10,005.00 Each set to be paid only by the successful bidder during the time of agreement	04 (Four) Months for original work. Plus 3 (three) years post completion maintenance

- 1) In the event of e-filling, intending bidder may download the tender documents from the website <http://wbtenders.gov.in> directly with the help of Digital Signature Certificate. All the bidders will have to submit On-line Earnest Money & necessary Earnest Money will be deposited by the bidder through the following payment mode as per Finance Department Order No. **3975-F(Y)** dated 28th July, 2016 (Annexure-A).
 - (i) **Net Banking** (any of the banks listed in the ICICI Bank Payment gateway) in case of payment through ICICI bank payment gateway.
 - (ii) **RTGS / NEFT** through bank account in any bank. The EMD shall be deposited in favour of “**New Town Kolkata Development Authority**” payable at “**Kolkata**”.
- 2) Both **Technical Bid** and **Financial Bid** are to be submitted concurrently duly digitally signed in the website <http://Wbtender.gov.in>.
- 3) Tender documents may be downloaded from the website and submission of Technical Bid and Financial Bid will be done as per Time Schedule stated in Sl. No. 15 of this NIEt.
- 4) The **FINANCIAL OFFER** of the prospective qualified tenderer(s) will be considered only if the **TECHNICAL BID** of the tenderer(s) is found qualified by competent authority of New Town Kolkata Development Authority. The decision of the

competent authority of New Town Kolkata Development Authority will be final and absolute in this respect. The list of Qualified Bidders will be displayed in the website.

5) Purpose of the Project: -

The traffic load on Major Arterial Road (MAR) in New Town Kolkata is increasing everyday due to growth of the township as well as development of the MAR as the preferred North South corridor to and from the Airport. The town authorities are also actively promoting cycling on the MAR. As a result, disciplining the cyclists as well as monitoring vehicles are both becoming tasks of prime importance.

New Town Kolkata Development Authority intends to install a vehicle monitoring system through IOT based devices fitted to median fencing which will serve the dual purpose of monitoring the cyclists as well as the SWM vehicles deployed by NKDA. There are multiple SWM vehicles plying in New Town. It is proposed that they should be tracked with RFID devices when they pass by the proposed Smart Fence to be installed in the median of MAR 1111 to mark attendance. The solution should also use the existing tracking devices installed in The SWM vehicles by integrating their API.

It is also proposed that the RFID devices should track bicyclists when they pass through the high-speed lane beside the smart fence in MAR 1111. The purpose of tracking bicyclists is for it to serve as a warning mechanism when they ride on the high-speed lane instead of on the bicycle lanes.

The proposed system should capture real time information of the SWM vehicles and the bicyclists and project the same through a cloud and web-based dashboard.

RFID tags will be distributed to cyclists to ensure their safety and may include the public bicycle sharing system cycles if required.

6) Eligibility criteria for participation in the tender.

- i. a) Working Contractors of NKDA, KMDA, WBHIDCO, PWD, PHED and other Govt. Departments having satisfactorily completed (as prime contractor) similar nature of work during the last 5 (five) years, having magnitude of at least **40%** of the estimated amount. Authentic documents in original, from the Engineer-in-charge of the work will have to be submitted in support of the above credential as non-statutory documents; or
- b) Intending tenderers should produce credential of 02 (two) similar nature of completed work, each of the minimum value of **30%** of the estimated amount put to tender during 05(Five) years prior to the date of issue of the tender notice; or
- b) Intending tenderers should produce credentials of one single running work of similar nature which has been completed to the extent of **80%** or more and value of which is not less than estimated value of the tender;

In case of running works, only those tenderers who will submit the certificate of satisfactory running work from the concerned Executive Engineer, or equivalent competent authority will be eligible for the tender. In the required certificate it should be clearly stated that the work is in progress satisfactorily and also that no penal action has been initiated against the executed agency. i.e. the tenderer

- ii. Pan Card, Income Tax Acknowledgement Receipt for the last three Assessment year, P.T. Deposit Challan for the year 2019-20, GST Registration Certificate, are to be submitted as non-statutory documents.
- iii. Trade Licenses, Registered Partnership Deed for Partnership Firms only along with Power of Attorney since executed under any Judicial Magistrate/First Class Magistrate is to be submitted. The company shall furnish the Article of Association and Memorandum as non-statutory documents.
- iv. **Joint Ventures/MOU will not be allowed.**

- 7) All materials are to be procured and supplied at site of work by the tenderer / firm at his / their own cost from approved reputed dealer / manufacturer. Departmental

materials will not be issued under any circumstances unless any such provision is made and accepted latter by both the parties. Department unless otherwise stated means New Town Kolkata Development Authority.

- 8) Mobilisation advance, time / cost over run and consequent cost escalation for any material, labour, etc. will not be allowed.
- 9) The offer shall remain valid for 180 days from the date of opening of the tender.
- 10) On-going payments for work may be allowed to the executing agency as per existing rules and availability of fund. Subject to deduction of security deposit, progressive payment may be made against the completed or partly completed item of works. Such interim payments, shall be made as running account bill(s), however, shall not construed to mean that the respective items / components have finally been approved and accepted by NKDA and the contractor shall not be absolved of his responsibility to set right any deficiency of such paid items / components at his/ their own cost, for rectifying all defects which are subsequently being noted or found.
- 11) No claim for interest or compensation will be entertained in respect to any money or balance of payment which may be due or alleged to be due to the contractor owing to any dispute between the contractor and NKDA or in respect to any delay in making payment of progressive or final bill of the work, to the contractor.

Payment for the works done by the contractor will be based on recorded and accepted measurement put for payment to be invariably made by putting signature (with seal) of the contractor (or his/ their authorized representative). The contractor or his/ their authorized representative are advised to take measurements jointly with the officials of NKDA. In case of failure of his/their part either to take measurement jointly and /or acceptance of the recorded measurement, within a reasonable time, measurement taken by the department shall be considered as final for making payment. Similar acceptance is also essential for level records and survey data, field books etc.
- 12) **Idle labour, idle rent and hire charges etc.:**

No claim of any category and type, on this ground shall be entertained. The contractor and NKDA shall make every effort that such situation does not arise.
- 13) **Additional Performance Security Deposit:**

As per order of Finance Department, Govt. of West Bengal vide meno no. 4608-F(Y) dated:18/07/2018, an additional Performance Security amounting to 10% of the tendered amount shall be obtained from the successful bidder if the accepted bid value is 80% less of the estimate put to tender and to be submitted in the form of Bank Guarantee from nationalized / schedule Bank of India on its Kolkata Branch drawn in favour of **New Town Kolkata Development Authority**. The Bank Guarantee shall have to be valid upto end of the contract period and shall be renewed accordingly if required. The Additional Performance Security shall be forfeited at any time during the pendency of the contract period.
- 14) **Security Deposit:**

Retention money towards performance Security amounting to 8% (*eight percent*) of the value of the work shall be deducted from the running account bill of the tenderer as per prevailing order. No interest will be paid on the money retained for Security Deposit. The defect liability period for such maintenance works shall be 03 (three) months from the date of completion.

15) Date and Time Schedule:

Sl. No.	Particulars	Date & Time
1.	Date of uploading of N.I.T. & other Documents (online) (Publishing Date)	24/05/2021
2.	Documents download start date (Online)	24/05/2021 from 12.30 P.M.
3.	Documents download end date (Online)	21/06/2021 from 11.00 A.M.
4.	Date of Pre-bid Meeting (online)*	01/06/2021 at 3.00 P.M.
5.	Bid submission start date (Online)	24/05/2021 from 12.30 P.M.
6.	Bid submission closing date (Online)	21/06/2021 from 11.00 A.M.
8.	Bid opening date for Technical Proposals (Online)	23/06/2021 at 11.00 A.M.
9.	Last Date of uploading list for Technically Qualified Bidder(online)	Will be intimated in due course
10.	Date for opening of Financial Proposal (Online).	Will be intimated in due course

***May be online meeting, credentials for which will be published at e tender site in the corrigendum section.**

- 16)** (a) Earnest Money for the successful tenderer will be retained and converted as Initial Security deposit. The Balance security deposit @ 8% will be deducted from on-going bills to cover 10% of the total value of work done.
(b) The security deposit for the original work of the successful tenderer will be refunded after defect liability period is over as stipulated in relevant clause of the tender document.
- 17)** The tenderers are bound by the terms & conditions of WBF 2911(ii) along with specification, notice for calling Tenders, Special terms & condition, Information to Bidders, Schedule of works etc, which forms a part and parcel of this contract.
- 18)** Income Tax, VAT, GST and others Taxes as admissible will be deducted as per Govt. orders issued from time to time and would be applicable on the date of making payment of the bills. Building & other construction workers cess @ 1.0% will be deducted from progressive bills in pursuance with G.O. no. 599A/ 4M – 28 / 06 dated 27/09/2006. The rate quoted would remain same throughout the period of contract and should be inclusive of **all taxes** which are and will also be applicable during the entire tenure of the contract.
- 19)** Payment to the workers @ minimum wages as per latest Government Order has to be made within the 10th day of the next month. Bonus @ 8.33% of the minimum wage has to be paid to the individual worker before Durga Puja / Eid festival
- 20)** The Bidder, at his own responsibility and risk is encouraged to visit and examine the site of works and its surroundings and obtain all information that may be necessary for preparing the Bid and entering into a contract for the work as mentioned in the Notice Inviting Tender, before submitting offer with full satisfaction. The cost of visiting the site, shall be at his own expenses.
- 21)** The intending Bidders shall clearly understand that whatever may be the outcome of the present invitation of Bids, no cost of Bidding shall be reimbursable by the Department. New Town Kolkata Development Authority reserves the right to accept or reject any offer without assigning any reason whatsoever and is not liable for any reimbursement of any cost that might have been incurred by any Tenderer at any stage of Bidding.
- 22)** Prospective applicants are advised to note carefully the eligibility criteria before tendering the bids.

- 23) Conditional / Incomplete tender will not be accepted under any circumstances.**
- 24) The intending tenderers are required to quote the rate *online*.**
- 25)** Contractor shall have to comply with the provisions of (a) the contract labour (Regulation Abolition) Act. 1970 (b) Apprentice Act. 1961 and (c) minimum wages Act. 1948 of the notification thereof or any other laws relating there to and the rules made and order issued there under from time to time.
- 26)** During scrutiny, if it comes to the notice of the tender inviting authority that the credential or any other paper found incorrect / manufactured / fabricated, that bidder would not be allowed to participate in the tender and that application will be rejected without any prejudice.
- 27)** If there be any objection regarding prequalification of any Agency the same should be lodged online to Chief Engineer, New Town Kolkata Development Authority within 2 (*two*) days from the date of publication of list of qualified agencies and beyond the said time schedule no objection will be entertained.
- 28)** Before issuance of WORK ORDER, the Tender Inviting Authority may verify the credential and other documents of the lowest tenderer in original, if found necessary. After verification if it is found that the documents submitted by the lowest tenderer is either manufactured or false in that case work order will not be issued in favour of the said Tenderer under any circumstances and his/their offer will be treated as cancelled.
- 29)** If any discrepancy arises between two similar clauses on different notification, the clause superseding others will be solely as per the discretion of the Tender inviting authority.
- 30)** The successful Tenderer whose tender is accepted shall make formal agreement in WBF 2911 (ii) along with bid documents in triplicate, within 7 (seven) days from the date of issue of work order by Executive Engineer – I, New Town Kolkata Development Authority on payment of usual charges which is non-refundable under any circumstances and submit the same duly signed by him/them to this office. If the contractor fails to perform the formalities within the specified period the Tender is liable to be cancelled and the Earnest Money will be forfeited as per relevant clauses under memorandum of WBF 2911(ii).
- 31) Qualification criteria:**
The tender inviting and Accepting Authority will determine the eligibility of each bidder. The bidders shall have to meet all the minimum criteria as stipulated in relevant clauses of this NIEt.

The eligibility of a bidder will be ascertained on the basis of the document(s) submitted in support of the minimum criteria. If any document submitted by a bidder is either manufactured or false, in such cases the eligibility of the bidder / tenderer will be rejected at any stage without any prejudice to take any penal action against him/them as may be deemed fit by the Tender Accepting Authority.
- 32) No. price preference and other concession will be allowed as per order no 8648 – F(T) dated 12.10.2012.**
- 33)** Agencies are required to give a work programme preferably in the form of a bar-chart and to approve it by the EIC (Engineer-in-Charge) before commencement of work and if progress of work abruptly differs from the given work program, the undersigned may terminate the work order at any point of time.

- 34) Unless otherwise stipulated, all the works are to be done as per general conditions and general specifications of the ‘PWD (W.B) Schedule of Rates for Building Works’, Sanitary & Plumbing and PWD (WB) Roads for the working area.
- 35) In case of any inadvertent typographical mistake in the specific price schedule of rates, the same will be treated to be so corrected as to confirm with the prevailing relevant schedule of rates and/or technically sanctioned estimate.
- 36) Intending tenderer should note that he will have to work simultaneously with other contractors already entrusted with other work or with contractors to be entrusted with other work in future in the same site. The contractor will have to work in close co-operation and harmony with all the contractors engaged in the project. Any claim for idle labour, for any reason whatsoever, will not be entertained under any circumstances.
- 37) NKDA will not be held responsible for making payment against any anticipated profit and/or compensation for any losses or price escalation whatsoever for the works as stated in the annexure of this NeIT. Rates should be quoted accordingly.
- 38) The address as furnished by the contractor shall be deemed as the postal address of this office. Any notice or instruction to be given to the contractor under the terms of contract shall be deemed to have been served if it has been delivered to his authorized agent (on the strength of authorization) or representative or sent by registered letter to his official address as furnished.
- 39) Arbitration clause of WBF 2911(ii) stands deleted, notwithstanding whatever has the object of deletion of Clause-25 from the Contract Form of WBF-2911(ii), the parties entering into the agreement pertaining to this NIEt, if so desire, may go for money suit for any dispute in his / there opinion arising out of this contract and he/ they may file such suit in any court of law situated in Kolkata proper in the district of West Bengal.
- 40) Any Corrigendum, notification in connection to this NIEt will be published in the official website of New Town Kolkata Development Authority (www.nkdamar.org) as well as <https://wbtenders.gov.in> . The applicants are requested to please follow the websites for such notifications, corrigendum etc.
- 41) Proposed Benefit and feature:
- i. Easy visualisation of data of SWM vehicles and bicyclists through map based dashboards
 - ii. Real-time fail safe connectivity using multi band mobile service provider to enable “Always Connect” feature
 - iii. Intelligent warning algorithm when cyclists cross into the high speed lane beside the smart fence.
 - iv. Integration of the Traffic data into the proposed system to implement a accident prevention system for bicyclists
 - v. For cyclists the below solution can be provided (but not limited to the same)

Sl. No.	Case	Alert
1	RFID tagged Cyclist travelling on cycle track	Normal case. No alert
2	RFID detects Cyclist travelling on MAR. Cyclist moving	Send alert to traffic police
3	RFID detects Cyclist not moving on MAR. Cyclist constant for more than 1 min	Probable accident. Send high priority alert to traffic police.

vi. Analytics:

- a) Day-On-Day analysis of the data for SWM vehicles and bicyclists
- b) Area wise analytical reports on violation prone areas of SWM and cyclists
- c) Health Monitoring & Maintenance based analytical reports for ease of understanding the complete uptime of the system and the utilizations
- d) Auto Alerts mechanism of SWM vehicles missing attendance and cyclists crossing into the high-speed lane for prolonged periods
- e) Cross referencing traffic data to draw insights on SWM vehicle and cyclists movement.

vii. - Cross integration facility with future datasets and API integration with existing VTS devices. API integration with ICC.

42) Brief Scope of work:

Completion of the following work and other activities requires to reach the objective of the project as directed by and to the satisfaction of EIC

- i. Supply, installation testing and commissioning of UHF Active RFID Tags with Metal Base for Waste Collection Vehicle Identification and bicycle identification
- ii. Supply, installation testing and commissioning of UHF RFID High speed Reader for fence
- iii. Installation, testing and calibration of RFID readers with the given Poles
- iv. Supply, installation, testing and commissioning of Display unit at client side
- v. Development, user acceptance test, implementation, security audit and hosting of the appropriate software for managing the entire function in an integrated manner.
- vi. Post implementation maintenance of the software and hardware for 3 years. BOQ may be referred to for further details

43) Payment Milestone

- i. 75% Hardware cost will be paid on actual installation, testing and commissioning to the satisfaction of the EIC
- ii. 25% Hardware cost will be paid on integration with software and satisfactory running of the system for at least one month
- iii. 75% software cost will be paid on successful go live post security audit
- iv. 25% software cost will be paid on successful running of the software post go live for at least one month
- v. Maintenance cost will be paid annually at the end of each year of maintenance
- vi. All payments will be made on acceptance of invoices raised, -subject to statutory deductions.

**Executive Engineer–I
New Town Kolkata Development Authority**

Memo. No. 5286 /1(9)/ NKDA / Engg – 36 / 2010 (XII)

Date: 19/05/2021

Copy forwarded for information to:-

1. Chief Executive Officer, NKDA.
2. Chief Engineer, NKDA.
3. Finance Office, NKDA.
4. Assistant Engineer – I/II, NKDA.
5. P.D, NKGSCCL.
6. Estimator/ Sr. Accountant / Cashier, NKDA.
7. P.A to Hon'ble Chairman, NKDA.
8. Office Notice Board.
9. Official Website of NKDA (www.nkdamar.org)

**Executive Engineer-I,
New Town Kolkata Development Authority**