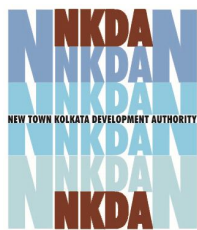


# NEW TOWN KOLKATA DEVELOPMENT AUTHORITY



(A Statutory Authority under Government of West Bengal)  
03, Major Arterial Road, New Town, Kolkata – 700156

**Memo No:** 1796 /NKDA /Egg-36/2010(VI)

**Date:** 28/03/2016

## **Request for Information (RFI) for preparation of RFP (Request for Proposal) for implementation of an Automated Vacuum Refuse Collection System on Turn-key basis in Eco-Park , New Town, Kolkata**

New Town, a planned city with nearly one million fixed and five million floating design population was contemplated to mitigate burgeoning population pressure of Kolkata. People from all sectors of the society have started living in this city which is only a decade old. Hospitals, schools, colleges and offices are coming up in full swing to meet the need and demand of its users. New Town , being a modern and planned city with multifarious facets of urban design strategies and development, ensures desired level of convenience to its residents. On the heart of this modern township Eco- Park has been developed over 480 Acres of land having an artificial lake covering 110 Acres. The park has several amusement facilities with various zones including Rabi Aranya, Tropical Rain Forest, Butterfly Garden, Rose Garden, Bamboo Garden, Children's Park etc.

New Town Kolkata Development Authority (NKDA) , intends to implement an Automated Vacuum Refuse Collection System , as a Pilot Project, in Eco-Park ,New Town, Kolkata. This has been aimed to minimize littering and collection activity and enhance aesthetics and cleanliness of the Park. For such purpose NKDA requests organizations having experience in similar nature of work to submit requisite information as sought by this authority for preparation of RFP document pertaining to the work. .

### **1.0 Scope of the Work**

The work shall include Implementation (Supply, Installation, Testing& Commissioning) of an Automated Vacuum Refuse Collection System on Turn-key basis in Eco-Park , New Town , Kolkata along with 05 (five) years comprehensive Operation and Maintenance of the Facility.

### **Scope of works shall include:**

The work involves designing (Civil, Mechanical and Electrical), execution and operation and maintenance of such Automated Vacuum Refuse Collection System with underground piping

network and outdoor collection units and collection center with room for automated SCADA monitoring system for controlling of valves, exhausts and other appliances within the collection network. The waste deposited into the outdoor collection units should be evacuated and sucked out through the network of underground pipes using SCADA monitoring system. The system can have separate inlets for different types of waste (bio-degradable and non-biodegradable). Finally the waste should be compacted and stored into respective containers at the collection station from where the compactor/ truck will come and pick the same for disposal.

The proposed pipeline alignment has a total length of approximately 1600 mtrs. Each outdoor collection units should cater for 120 mtrs of length. The primary objective is to keep the area clean, where there is maximum littering during the festive season. Present generation of waste from the park is on an average of 1 tonne/day but during festive season the quantum of waste generated per day is around 4 tonnes. However the design generation of waste will be in the tune of 10 tonnes per day

The centralized collection centre and SCADA monitoring unit should be located within a single building. The Compactor /Truck has to move into the building and collect the waste from the centralized collection centre.

All works required for proper installation of the system including necessary civil works for building with underground and overhead water tank, septic tank, soak pit etc. shall be done by the contractor. The entire work shall be performed as per approved design and drawings (design and drawings to be submitted by the bidders) by NKDA, on lump-sum rates quoted for different components of the project. All the works related to the proper installation and functioning of the system shall have to be carried out by the contractor as per lump sum prices offered by him.

## **2.0 Wish-list Parameters to be stated by the organizations having experience for similar nature of the work:**

For preparation of the RFP document, for implementation of the said work on turn-key basis ,NKDA requires such organizations to state their views regarding the following:

1. Output based standards, if any, for such project.
2. Approximate cost of the project.
3. In this regard Turn Key tender (3 calls) had been invited earlier. Agencies may state their observations, if any, regarding and technical specifications as was enumerated in the tender document.

A meeting in this regard will be held on 10<sup>th</sup> April 2016 at 3.00 pm at the conference room at 01, M.A.R, New Town, Kolkata– 700 156, for exchange of ideas. All prospective organizations are requested to please attend the meeting. The organizations should furnish the above information (Serial nos 1 to 3 as per clause 2.0 of the RFI notice) in a sealed cover addressed to Executive Engineer-I, New Town Kolkata

Development Authority (NKDA) and submit the same on or before the meeting. The cover should be super scribed with address, contact no. and e-mail id of the organization.

All respondents to this RFI notice are requested to please follow our official website [www.nkdamar.org](http://www.nkdamar.org) for any further corrigendum/ notification etc. in this regard.

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

**Memo No:** 1796 /1(7)/NKDA /Egg-36/2010(VI)

**Date:** 28/03/2016

**Copy forwarded for information to:**

1. The Chief Executive Officer, New Town Kolkata Development Authority.
2. The Chief Engineer, New Town Kolkata Development Authority.
3. The Assistant Engineer-I, New Town Kolkata Development Authority.
4. The Estimator/Sr. Accountant, New Town Kolkata Development Authority.
5. P.A to the Chairman, New Town Kolkata Development Authority.
6. Office Notice Board
7. Official web site of New Town Kolkata Development Authority ([www.nkdamar.org](http://www.nkdamar.org))

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