



# NAMCHI SMART CITY LIMITED

## REQUEST FOR EXPRESSION OF INTEREST (REOI)

### DESIGN, DEVELOP AND IMPLEMENT THE WATER SUPPLY DISTRIBUTION SYSTEM IN NAMCHI, SIKKIM

I. **About Namchi Smart City Ltd (NSCL):** Ministry of Housing and Urban Affairs (MoH&UA), Government of India (GoI) has initiated the Smart Cities Mission for development and augmentation of the core infrastructure in Indian Cities to improve the amenities and provide better facilities to its citizens. Namchi Smart City Limited (NSCL) has been incorporated as a Special Purpose Vehicle (SPV) under the Companies Act, 2013 to implement the Smart City Proposal (SCP) of Namchi Municipal Council. As part of its PAN CITY PROPOSAL, NSCL intends to Design, Develop and Implement the Water Supply Distribution System in Namchi, Sikkim which has to be Integrated with the **STRATEGY OF WATER CONSERVATION, RE-USE, REDUCTION OF NRW AND ADOPTION OF ADVANCED RAIN WATER HARVESTING TECHNOLOGY**

II. **About Project:**

In view of the existing water supply system and the challenges faced by the Namchi city, the administration envisages to improve the existing water supply and work towards providing un-interrupted water supply to the consumers. Therefore, it is envisaged that the existing water distribution system has to be redesigned, replaced with a new distribution network for achieving the above objective. .

III. As part of the PAN CITY PROPOSAL OF Smart City Proposal (SCP) envisioned by NSCL, it is proposed to augment and improve the Water Supply and Distribution Network System in Namchi (the “**Project**”) with the strategy of **water conservation, re-use, reduction of nrw and adoption of advanced rain water harvesting technology**

NSCL now intends to select the qualified vendors to implement the Project.

#### IV. Existing Water Supply System of Namchi City

Namchi Municipal Council (NMC) has been growing at a fast pace. This has created huge water supply demand and cause of concern to the residents. Despite having perennial water source, the existing water supply distribution system is unable to meet the demand of the city. In recent past many new layouts and residential clusters have been developed in the outskirts of the Namchi town and these extended areas are not covered by the existing distribution system.

The WS&PHED department of Namchi owns and operates a water supply system in the city and supplies potable water to households, business entities, government institutions and hotels within the city limits and a insignificant numbers of rural consumers in the downhill area.

The primary source of the water to Namchi City is Bermeilly Khola (perennial stream) which is located at a distance of 40 KM from the city, at an altitude of approximately 2800 meters from MSL. Water from this source is conveyed through a single 150 mm diameter Galvanized Iron (GI) pipe to 2.0 MLD master balancing tank located at upper Ghurpisey through gravity

The water is distributed through 13 distribution tanks with a distribution piping of approximately 85 Kms of pipe in sizes which varies from 15 mm to 32 mm in diameter.

Some of the critical issues identified in the water supply distribution system include

- gravity main was laid more than 2 decades ago with GI pipes, without air valves
- Existence of structural seepage in the storage reservoirs due to lack of maintenance
- frequent damages of gravity main and the other pipe lines due to landslides in rainy season which is resulting in water leakages
- High NRW of up to 60% compared to national average of 45% or more.
- water distribution system is laid in a haphazard manner, mingled with drainage system leading to grave health risk conditions
- unmetered consumer connections
- No periodic maintenance schedule to maintain the Water supply system
- Apart from the traditional system of water supply through gravity mains, there is no existing strategy to promote the water conservation technology/ methodology, Re-use and Re-cycle of the used water , RWH using the emerging technologies like Co-polymer based Cross Wave Technology etc.

#### V. Scope of Work

In order to improve the existing water supply system and ensure an equitable water supply to the residents of Namchi city, it is envisaged that the existing water supply distribution system has to be redesigned and replaced with a new water supply distribution network along with integrated approach to Conservation, Re-Use and Re-

cycle of Used water, Rain Water Harvesting by adopting emerging technologies like Co-polymer based Cross Wave Technology etc.

As a part of Namchi Smart City Project, it is proposed to improve the Pan City Water Supply and Distribution Network System as per the indicative scope given below

- (a) Dismantling of existing distribution mains
- (b) Supply of required pipes for the development of new distribution network
- (c) Replacement of existing distribution mains and Consumer connections to an extent of approximately 120 KMs in Length.
- (d) Up-gradation and construction of distribution tank and approximately 20 ground level service reservoirs (GLSR)
- (e) Supply and Installation of AMR based Smart Water Metering System (Bulk metering/DMA metering /Consumer meters)
- (f) Integration of water distribution system with SCADA system
- (g) Construction of efficient Rain Water Harvesting System using emerging technology like Co-polymer based Cross Wave technology etc. considering the constraint of availability of Open space or flat surface / terrain which could be used for alternative purpose after using the sub-surface for such intention. This shall be in the pilot basis and if proven efficient and accepted by the citizens, the scope shall be replicated in the strategic location where the water requirement is intermittent .

Note: Detailed scope shall be provided in the RFP

#### VI. **Invitation**

Namchi Smart City Limited, a SPV formulated for implementation of Smart Cities Mission in Namchi, invites Request for Expressions of Interest (REOI) from experienced and qualified bidders having relevant experience in urban water sector.

#### VII. **Eligibility of the Applicant**

##### **(a) General Eligibility:**

- i. The Applicants could be Companies registered under the Indian Companies Act or Indian LLP Act 2008 / Partnership firms as the case may be.
- ii. Applicants can be Single or Consortium of Firms or JVs. In case of Applicant being Consortium, then the members of the Consortium is restricted to 3 (three).
  - a. In case of consortium, the combined Financial & Technical Capacity will be considered for evaluation of REOI.

##### **(b) Financial Capacity:**

- (i) The applicant shall have an annual turnover of Rs. 120 Crores in last 3 financial years – FY 14-15, FY 15-16 and FY 16-17

### **(c) Technical Capacity**

- (ii) The Applicant shall have at least 3 (Three) years' of experience in design, development and implementation of water infrastructure projects.
- (iii) The Applicant must have an experience in pipe laying, Jointing, Hydro Testing & commissioning of HDPE/DI/MS pipelines of at least 80 Kms for a single project in last 3 years.
- (iv) The Applicant must have experience in performing earth work & also sort of soils at least 50,000 Cu. Mts in the last 3 financial years.
- (v) The Applicant must have experience in laying and providing House service connections to at least 2500 houses in the last 3 financial years.
- (vi) In case of RWH strategy for NMC, the bidder(s) / Partner(s) must have the prior experiences of executing such works and should have functional as in case whatever may be. The completion certificate/ Work order from the client is desirable.
- (vii) They should be authorised to use and implement the technology (ies) by the manufacturers whoever owns the patent.

### **VIII. Documents to be Submission along with REOI**

The Applicant shall furnish the following documents along with the REOI:

- (a) Organisation Profile to demonstrate the applicant capability & relevant experience in urban water sector
- (b) The Applicant's legal status whether it is Company/ LLP /, Partnership Firms registered in India (Registration Certificate copy to be enclosed)
- (c) Audited financials/Audited Annual Reports of the Applicant for the past 3 Years FY 2015, FY2016 and FY 2017.
- (d) Similar Assignments undertaken in the field for the last 3 years (Work Order, Experience Certificate from the client to be enclosed). Similar Assignments shall include the list of works provided in the Technical Capacity.
- (e) Self-Declaration that the Applicant is not blacklisted /debarred by any Government or PSU in India for the sole applicant and for all the members in case of consortium, as the case may be.
- (f) Applicants shall also submit Memorandum of Understanding (MOU) amongst its members, in case of consortium clearly stating:
  - i. Composition of Consortium.
  - ii. Proposed roles and responsibilities of each member.
  - iii. Include an undertaking to the effect that all members of the Consortium shall be liable jointly and severally for the implementation of the Project.

**IX. Date & Place of Submission:**

Completed EOI documents shall be submitted through speed post or courier in sealed envelopes clearly marked “**Design, Develop and Implementation of Water Supply Distribution Network System in NMC**” on or before 26<sup>th</sup> December 2017, IST 15.00 Hrs at the following place:

The Chief Executive Officer  
Namchi Smart City Limited (NSCL)  
Office of the Joint Chief Town Planner cum Nodal Officer (SC-S)  
Urban Development and Housing Development Office, Bhanjyang Road,  
Namchi, Sikkim – 737126;  
T | 03592-205087  
M | +91 8860106506  
E | [smartcity-namchi-sik@nic.in](mailto:smartcity-namchi-sik@nic.in) | [navin.rai76@nic.in](mailto:navin.rai76@nic.in)

**Note:**

- All subsequent information, notification, changes and amendments would be posted only on the website/s: [www.sikkimudhd.org](http://www.sikkimudhd.org) | [www.niua.org](http://www.niua.org)
- NSCL reserves the right to accept or reject any EOI or to annul the process or reject all the EOI, at any time without any liability or any obligation for such rejection or annulment, without assigning any reasons.
- The aforesaid parameters are indicative and subject to modification during the subsequent bidding stages at the discretion of NSCL.
- For any further clarifications, please contact: [smartcity-namchi-sik@nic.in](mailto:smartcity-namchi-sik@nic.in)

## Annexure – 1: Forms

### Form1: Details of the Bidder

| Description  | Details to be filled by Bidder |
|--|--------------------------------|
| Name of the Organization   |                                |
| Year of Establishment  |                                |
| Incorporation Number and Date (Enclose Certificate of Incorporation ( ROC) |                                |
| Regd. Office Postal Address with Phone & Fax Number                        |                                |
| Office Postal Address with Phone & Fax Number                              |                                |
| Contact person with Phone, Mobile Number & e-mail address                  |                                |
| TIN No /GST Registration Number  |                                |

Note: Please submit the same for each of the consortium member

**Form 2: Format for Self-Declaration on Blacklisting**

(Company Letterhead – Submit separate declaration for consortium member, if any)

To,

**[Date]**

The Chief Executive Officer  
Namchi Smart City Limited(NSCL)  
Namchi-737126  
Sikkim

Sir,

In response to the REOI No. \_\_\_\_\_  
dated \_\_\_\_\_, We hereby declare that our Company / Firm \_\_\_\_\_ is  
having unblemished past record and was not declared blacklisted or ineligible to participate  
for bidding as on date of submission of the bid by **any State/Central Govt. or PSU** due to,  
breach of general or specific instructions, corrupt /fraudulent , Non Performance or any other  
unethical business practices.

Name:

In the capacity of:

Signature:

Organization Name along with stamp / seal

### Form 3: Financial Strength Details

| <b>Financial Information</b> |                   |                   |                   |
|------------------------------|-------------------|-------------------|-------------------|
| <b>Item/ Year</b>            | <b>FY 2014-15</b> | <b>FY 2015-16</b> | <b>FY 2016-17</b> |
| Turnover (in INR Crores)     |                   |                   |                   |

Note: a. Bidder must submit copies of Audited financial statements/ Certificate from Chartered Accountant for last 3 financial years in support of the above

Name:

In the capacity of:

Signature:

Organization Name along with stamp / seal

#### Form 4: Relevant Project Experience

|                                      |                  |                         |
|--------------------------------------|------------------|-------------------------|
| Project/ Assignment Name:            |                  | Country:                |
| Project Location within the Country: |                  |                         |
| Name of Funding Agency \ Client:     |                  | Approx. Contract Value  |
| Start Date:                          | Completion Date: |                         |
| Name of Associated Firms (s) if any: |                  | Duration of The Project |
| Description of Project:              |                  |                         |
| Any other Information                |                  |                         |

Name:

In the capacity of:

Signature:

Organization Name along with stamp / seal