



DELHI JAL BOARD, GOVT. OF NCT. OF DELHI

OFFICE OF THE EXECUTIVE ENGINEER (WEST)-I
BERI WALA BAGH, SUBHASH NAGAR, NEW DELHI
Mail id : kumardjb@gmail.com, Ph. No. 011-25125273

NO. DJB/EE(WEST)-I/2017/ *office no. 637176*

DATE :- 08.12.2017

Expression Of Interest (EOI) for the work of "Consultancy Services for carrying out Hydraulic Modelling of water network on the command area of Maya Puri (12.4 ML) UGR and BPS (under construction)" is invited from the firms, who has carried out such type of work. The complete proposal indicating the firm's interest in taking up the assignment with all relevant information, copies of relevant documents for verification and full contact address shall be submitted in single hard copy and one soft copy at the address mention above on or before last date and time submission of EOI given in the Notice Inviting Expression of Interest for this work is up to **3.00 P.M of 04th January 2018.**

E.E (EDP), DJB


(NARENDER KUMAR)
EXECUTIVE ENGINEER (WEST)-I



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EXPRESSION OF INTEREST (EOI) DOCUMENT

Delhi Jal Board, invites 'Expression of Interest' (EOI) from the consulting firms/agencies to provide consultancy services for the work of **"Consultancy Services for carrying out Hydraulic Modelling of water network on the command area of Maya Puri (12.4 ML) UGR and BPS (under construction)"**.

1. Background :-

The main objective of this study is to implement a sustainable and equitable water supply infrastructure on the command area (to be called as Project Area) of **Maya Puri UGR and BPS** as an isolated and measured DMA area. The project aims is to look at the feasibility of isolation of network from the adjoining areas, hydraulic modelling including designing of peripheral network and system improvement plan. Presently the command area of Maya Puri UGR is being fed from Subhash Nagar UGR, Tilak Nagar OLB (partly) and from 600mm dia Narayna main tapping on Maya Puri Road. The ground boundaries of Maya Puri UGR are in North : Goswami Tulsi Dass Marg and Rajouri Apartment, in South : Jail Road, in East : Rewari Railway line and in West : Najafgarh Road. The approx. population as per TCE report in 2011 is around 1.50 Lakhs and having about 50,000 consumer water connections. The main area under the command of Maya Puri UGR consist of Maya Puri Indl. Area Ph-I & II, JJC along Rewari Line, Khazan Basti, Lajwanti Garden, EA, EB, EC Block Maya Enclave, DA & DB Block Hari Nagar, A to D Block of Fateh Nagar, Asha Park, Usha Park, Gopal Nagar, Ashok Nagar Blocks, Meenakshi Garden, Ajay Enclave, Tihar Village, Beri Wala Bagh, 8 to 15 Block of Subhash Nagar, Press Colony, Vatika and Vikrant Enclave, A,B,C,D,M,MS,BE Block Hari Nagar, Green View Apartment, Prayog Vihar, CA,CB,CC,CD-Janak Park Hari

Nagar. There are large variations in terms of pressure and duration at different locations including shortage of water. Hence, a techno-economical study of the command area network and its solution is the need of hour.

2. Objectives

The objective of the consultancy is to analyze the existing water supply network, Designing of peripheral water lines emanating from under construction UGR&BPS Mayapuri and to prepare detailed designing based report on present and projected population for equitable distribution of water at adequate pressure and quality, Cost estimation. The main objective is to implement a sustainable & equitable water supply infrastructure.

3. Scope of work :-

The scope of services will include but not limited to the following.

- (a) Establishment of Baseline Conditions through detailed study & reviewing of existing study reports. However, the data, project, plan initiative under the reports need to be ascertained, condition assessment and physical evaluation of present water supply system based on optimal combination of field and secondary data, data from planning wing and local offices etc. Hydraulic networking for the existing water supply system to ascertain the system deficiency.
- (b) Door to Door survey/ Social survey of the area comprises of address of Properties, Floors in each property, Type of establishment, population of each house, status of water connection (exist, authorized or un authorized), meter details, HSC details, online booster, Supply timings, use of ground water etc.
- (c) Tagging of consumers on GIS map.
- (d) Topographical survey for existing ground level, identification of existing water network including sizes, material, depth, alignment, updating of GIS mapping record including location of Tee points and sluice valves etc.
- (e) The Consultant shall have access to and shall review the existing water supply transmission and distribution plans available in hard copy with the DJB. Much of the information on these plans has already been transferred to a GIS platform (ArcGIS) by DJB and can be used as a

starting point for developing a comprehensive GIS for the command area.

- (f) In addition, the Consultant shall review existing design criteria, DJB booster stations operation records, groundwater usage records and all existing other relevant information, reports, data, documents, maps, policies, plans and records pertaining to scope of the Project.
- (g) Creation of DMA, Identifying the inlet and outlet points of DMAs and location of flow meters, pressure identification through pressure loggers.
- (h) **Analysis:** The consultant shall determine the design and the demand rates based on appropriate projection technique. The designs shall be in compliance with the relevant Indian Standards (as amended up to date, with all correction slips), CPHEEO manual and followed after discussions with the Delhi Jal Board. Prepare network system / model with proper zoning using the updated information available & analysis of network model through using Water GEMS software program from the tasks above and the proposed strengthening measures through optimization and analysis of the model.
- (i) Preparation of detailed estimates for providing/laying/replacing of peripheral & distribution network. Three sets of each document with hard and soft copy shall be submitted.
- (j) Preparations of Drawings for network system.
- (k) Preparation of detailed project report and submit the same in three copies along with hard and soft copy.

4. The total period for the consultancy assignment shall be **“six months”**.

5. **Following eligibility/qualification criteria will be used to shortlist the consultants.**

a) The applicants may be an independent single firm or in joint venture or in consortium with other firms.

b) In the EOI it must be clearly indicated/stated who the “Lead partner” is if it is a joint venture/consortium. The lead partner must possess similar experience and technical expertise in areas relating to this project.

6. Firms interested to be considered for short listing may intimate EE(West)-I. DJB in writing about their technical capabilities by providing the following, which will be used to shortlist the consultants.

- (a) List of similar assignments **completed** successfully in the last Five Years having Consultancy Charges more than Rs. 30.00 Lakhs (Thirty Lakhs only) with brief project description, relevancy, and information of cost of the services, cost of project, employer and funding agency. A certificate from the department be attached.
- (b) List of similar assignments **in progress** having consultancy service more than Rs. 30.00 Lakhs (Thirty Lakhs only) with brief project description relevancy, information of cost of the services, cost of project, employer and funding agency.
- (c) Strategies showing sustainable water management. The firms may be required to make a presentation.
- (d) Company profile and a list of relevant skills with the staff and indicative Curriculum Vitae.
- (e) Project delivery capability in India.
- (f) Company registration certificate/s and document/s
- (g) Latest Annual Report and audited accounts.
- (h) Document/s clearly showing last three (3) year annual turn-over figures.
- (i) Consulting firms barred from participating in any project funded by the Govt. of India or any other international donor (i.e JICA, World bank, ADB, DFID) on the date of submission of their EOIs, will not be eligible to participate in this project. A declaration to that effect shall be furnished by applicants/consultant.
- (j) Eligibility statement.

All above documents / certificates for the firm / and joint venture / consortium partners must be submitted in the EOI.

Only the firms having the required qualifications/experience shall be considered for short listing. The short listed firms or association shall be invited to submit their detailed proposals for the consultancy services.

7. The complete proposal indicating the firm's interest in taking up the assignment with all relevant information as above, copies of relevant documents for verification and full contact address shall be submitted in single hard copy and one soft copy at the address mention below on or

before last date and time submission of EOI given in the Notice Inviting Expression of Interest for this work i.e **up to 3.00 P.M of 04th January 2018.**

8. No application shall be received after the deadline.
9. The expression of interest shall be submitted in a sealed cover, indicating therein "Expression of Interest for Delhi Jal Board, Govt of NCT of Delhi, for the work of **"Consultancy Services for carrying out Hydraulic Modelling of water network on the command area of Maya Puri (12.4 ML) UGR and BPS (under construction)"**".
10. DJB shall examine the proposal and evaluate them as per information and documents submitted by the consultants/firms to finalize the list of short listed consultants. However, DJB reserves the right to accept or reject any or all of the EOIs without assigning any reason whatsoever.
11. DJB shall not accept any explanation for any delay in transit or any reasons in receiving any EOI beyond the last date and time as mentioned in this invitation notice.
12. The expression of interest with all documents shall be send to

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Mobile No. 9650291512


(NARENDER KUMAR)
EXECUTIVE ENGINEER (WEST)-I

Copy to :-

1. P.A to CEO for kind information please
2. Mem(WS)/CE(West)/Dir(F&A)/DOV/SE(W) along with one spare copy
3. EE(EDP) Cell – to upload on DJB official Website
4. AO(W)/Z.Es (W)/AAO(W)-I/DM/Cashier(W)
5. PRO(W) to published in all the leading News Paper in India/Notice Board
6. DJB Contractor Welfare Association (Regd.) Villa No. 36, Block BA (Paschimi) Shalimar Bagh, Delhi-110008


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