



**DELHI JAL BOARD :GOVT. OF N.C.T. OF DELHI
OFFICE OF THE EXECUTIVE ENGINEER (ISP),
VARUNALAYA PHASE- I, JHANDEWALAN
KAROL BAGH, NEW DELHI:-110005**



No. DJB/EE (ISP)/2020/ **410**

Dated:- **16/04/2020**

EXPRESSION OF INTEREST

**Subject:- PROVIDING CONSULTANCY SERVICES FOR INSITU
TREATMENT OF SUB DRAINS FALLING IN NAJAFGARH AND
SUPPLEMENTARY DRAIN IN DELHI BY GEOBAGS-OZONATATION.**

DJB intends to appoint a consultant for in-situ treatment of sub drains falling in Najafgarh and Supplementary drain in Delhi through Geobags-Ozonatation technology for achieving 3:3(BOD:SS).

The interested consultant are requested to submit their methodology /along with experience in the field of for using GEOBAGS-OZONATATION by 7th May 2020 upto 5:00 PM on the following address.

**THE EXECUTIVE ENGINEER (ISP),
Room no. 506, VARUNALAYA PHASE- I,
DELHI JAL BOARD JHANDEWALAN,
KAROL BAGH, NEW DELHI:-110005**

The details of RFP can be seen on website <http://delhijalboard.nic.in/expression-of-interest/delhi-jal-board-djb> or from the office of EE(ISP) at above address.

sd/-

**EXECUTIVE ENGINEER (ISP)
Mob No.9650290888**

Copy to:- -for kind information.

1. CEO
2. All Members/CVO
3. CE(Dr.)Pr-III
4. SE-(Dr)Pr.-V
- ✓ 5. EE(EDP) - to upload on DJB website
6. PRO - to publish in news papers
7. AE-II
8. O/C


EXECUTIVE ENGINEER (ISP)

DELHI JAL BOARD
OFFICE OF THE EXECUTIVE ENGINEER (ISP)
ROOM NO. 506, VARUNALAYA PHASE: I
JHANDEWALAN, KAROL BAGH, NEW DELHI-
110005.

INVITATION FOR EXPRESSION OF INTEREST

For

PROVIDING CONSULTANCY SERVICES FOR INSITU TREATMENT OF SUB DRAINS FALLING IN NAJAFGARH AND SUPPLEMENTARY DRAIN IN DELHI BY GEOBAGS-OZONATATION.

1. The DJB under the Govt. of NCT of Delhi was established for construction, operation and maintenance of the water supply and wastewater infrastructure facilities within the NCT of Delhi and intends to create infrastructure so as to minimize untreated wastewater flow to Supplementary drain and ultimately to the river Yamuna. As such, DJB intends to employ a consultant for preparing feasibility reports, Detailed Project reports, Tender Document, Evaluation of bids received, Assistance in award of works for the proposed project. The cost of Consulting Service will be financed out of the DJB own funds.
2. The project aims to look at the feasibility of treatment of untreated sewage falling in Najafgarh and Supplementary Drain through sub-drain by Geobags-Ozonation Technology, ensuring substantial improvement in the water quality of the river Yamuna itself. The primary objectives of the project are to ascertain the feasibility of:
 - Creating a cleaner drainage system and related infrastructure by Geobag-Ozonation technology for its long term upkeep so that pollution in the Yamuna can be reduced.
 - Recycle and re-using treated wastewater effluent for fish ponds, as a source of potable water with essential treatment, horticulture and farming etc.

List of Nalas / Drains falling in Najafgarh and Supplementary Drains is annexed in the last of this EOI document.
3. Scope of Consultancy work

The scope of services will include but not limited to the followings:

 - a) Data collection for flow and water quality of sub-drains falling into Najafgarh and supplementary drain from various sources, publication etc. and review of same.
 - b) Field Investigation including flow measurement, quality assessment, topographical survey, Geotechnical investigations, Drone survey etc.
 - c) Preparation of Feasibility Report
 - d) Preparation of Detailed Project Report (DPR), along with estimate for achieving effluent of following parameters.

S.No	Parameters	Standards for New STPs (Design after notification date)
1	pH	6.5-9.0
2	BOD.mg/l	3
3	COD, mg/l	50
4	TSS, mg/l	3
5	NH4-N, mg/l	5
6	N-Total, mg/l	10
7	Fecal Coliform (MPN/100ml)	< 230
8	PO4-P, mg/l	1

- e) Preparation of Pre-qualification Tender documents
 - f) Preparation of Tender documents
 - g) Preparation of Suggestive Cost
 - h) Assist in Invitation of bids.
 - i) Assist in Evaluation of Technical and Financial bids
4. The total period for the consultancy assignment will be Nine 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 or better experience in proven Wastewater Treatment Technologies and technical expertise in areas relating to this project.
 6. Firms interested to be considered for short listing may intimate EE (ISP), 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, with brief project description, relevancy, information of cost of the services, cost of project, employer and funding agency
 - b. List of similar assignments in progress with brief project description, relevancy, information of cost of the services, cost of project, employer and funding agency
 - c. Strategies showing sustainable water management for the area specific to the Najafgarh and Supplementary Drain through Geobags-Ozonation Technology along with tentative cost per MLD for treatment of the sub-drain flowing into main drain. 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. 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 shall be considered for short listing. Only the shortlisted firms or associations shall be invited to submit their detailed proposals for the consulting services.

Consulting firms barred from participating in any project funded by the Government 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.

- 7. The complete proposal indicating the firm's interest in taking up the assignment with all relevant information as above with copies of relevant documents for verification and full contact address shall be submitted in four hard copies and one soft copy at the address mentioned below on or before **15.05.2020 by 15.00 hrs.**
- 8. No application shall be received after the deadline.

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 Providing Consultancy Services for INSITU treatment of sub drains falling in Najafgarh and supplementary drain in Delhi by geobags-ozonation.

- 9. the treatment of untreated sewage discharge in the Supplementary Drain by Geobags-Ozonation Technology"
- 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 sent to :

EXECUTIVE ENGINEER (ISP)
DELHI JAL BOARD
ROOM NO. 506, VARUNALAYA PHASE: I
Karol Bagh, NEW DELHI-110005.

Executive Engineer(ISP)
9650290888

A. Sub-Drains falling into Najafagrh Drain

S.No	Name of Drain	Tentative Discharge(MGD)
1	NGR 03/NGL 18D (new) Public workshop (Patel Chest/ back of Daualt Ram College)	0.43
2	NGR 15A new drain, Basai Darapur near Ring Road near R-39 Shaft (New Basai Darapur)	0.51
3	NGL 01 New, Jahanirpuri Drain	21.36
4	NGL 13F New Drain GGSIP Reserve Park	0.25
5	NGL 14B New Drain NGR06C-Dharampura	3.90
6	NGL 06 Goyal Khurd flow is from Goyla Vihar	3.48
7	NGR 13G New Drain New Year Packaging	0.46
8	NGR 01 (NGR 18H) New, Timarpur	0.44
9	NGR 18JNext to Timarpur	0.29
10	NGL 01 new, Lohat flow is from Lohat	0.04
11	NGR 03 new, Ghalighalipur flow is from Ghalibpor Dauralla.	0
12	NGR 20 new, Vikasnagar Near hanuman temple (flow is from Nyadar and Gupta enclave)	0.56
13	NGR 16A, Sainik Nagar flow from Vipin Garden	0.11
14	NR 19L Vikaskunj flow from Panchsheel Enclave	0.18
15	NGR 20 new, Vikasnagar Hanuman Temple	0.52
16	NG 19L new, Vikaskunj Ext.	0.18
17	NGR 20 new, Vikaspuri Ext. Opposite to shaft J-22	0.52
	Total	33.23

B. Sub-Drains falling into Supplementary drains.

S. No	Name of Drain	Tentative Discharge (MGD)
1	SPL 04 New, Behind Rohini District Jail Badli Village	1.99
2	SPL 12B New drain, W135 Sector 19, Rohini Delhi-32 (Badli Village) Near J-30	0.42
3	SPR 15A New, Mangalpuri T- Junction opposite K Block School DSIIDC	2.8
4	SPR 08- fire station near ESI Hospital	8.86
5	SPL 14 Arya Apartment	3.58
6	SPL 03B (SPR 01A) GT Karnal road Panipat 86 Km Milestone (Near Wazirabad Village) in coming Sewer line from Wazirabad.	2.22
7	SPR 02 new, near Railway crossing Badli Village(Gandhi Vihar)Shalimar Bagh	0.69
8	SPL 09A- opposite to IC SPL10 (Bhalaswa Dairy) Bhalaswa Lake.	0
9	SPL 36 new near Metro line Ruchi Vihar Oposite to Jawalapuri Bridge (Jwalapuri disitrect park)	2.27
10 & 11	SPL 28A new (Sno. 211 & 212 merged drain Budh Vihar Phase-2 opposite shaft RS4 of ISP & 50 meters from shaft RS4 of ISP. (2 drains)	2.84
12	SPR 13B new Baghwan Mahavir road (opposite shaft DS9 of ISP)	0.25
13	SPR 13A new drain Budh Vihar Phase-1 (about 60 meter from shaft DS4 of ISP)	1.56
14	SPR 09 Rohini	4.18
15	SPL 19A New drain Rithala Village(New shaft DS/RS 6A of ISP)	0.39
16	SPL 22 New, besides Rithala Burning Ghat, rithala just near to shamshan ghat road bridge and beyond.	1.21
	Total	33.26