



DELHI JAL BOARD: DELHI
OFFICE OF THE EXECUTIVE ENGINEER (SDW)IX
STP RITHALA PHASE –I ROHINI DELHI-85
E-mail: eesdw9@gmail.com Phone No 011-27040740



No./DJB/EE(SDW)IX/2020/

Dated:-

INVITATION FOR EXPRESSION OF INTEREST

Subject: -Providing of Disinfection facility in the Existing Wastewater Treatment Plants in Delhi under DJB.

DJB intends to engage contractors/Technology provider for providing innovative treatment technology solution to provide Disinfection facility in the existing WWTPs to safeguard river Yamuna from any potential health hazards' caused by discharge of effluent carry any virus pathogen any coliform bacteria etc specifically during Corona Virus period.

The interested agencies are requested to submit their methodology along with their experience in the field by 03.07.2020 up to 05.00 PM on the following address

THE EXECUTIVE ENGINEER (SDW)IX
DELHI JAL BOARD
STP RITHALA PHASE –I ROHINI
DELHI-85

The Detail of RFP can be seen on the website http://delhijalboard.nic.in/expression_of_interest/delhi-jal-board-djb or from the office of EE (SDW) IX at above address.

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(J.C.GARG)
EXECUTIVE ENGINEER (SDW)IX
Mob No. (9650290673)

Copy to:-

1. PA to Vice Chairman DJB
2. PA to CEO/All Members
3. CE (SDW)-NW
4. SE(SDW)-II
5. EE(EDP) with the request to upload on DJB website
6. PRO) with the request to publishing in the leading Newspapers
7. AE(E&M)
8. Case File/Office Copy

EE(SDW)IX

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INVITATION FOR EXPRESSION OF INTEREST

Subject: -Providing of Disinfection facility in the Existing Waste Water Treatment Plants in Delhi under DJB.

- 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 provide Disinfection facility in existing WWTPs to safeguard river Yamuna from any potential health hazards caused by discharge of effluent carrying any viruses, pathogen and coliform bacteria etc. As such, DJB intends to engage contractor/technology provider for providing innovative treatment technology solution for disinfection which shall be capable of handling all possible viruses, pathogen and coliform etc in wastewater and treated effluent.
- 2.DJB is having 41 existing wastewater treatment plants (WWTPs) at 22 locations out of which DJB is maintaining 34 WWTPs at 20 locations. Total installed capacity of wastewater treatment plant is 607 MGD, out of which 450-460 MGD sewage is being treated on daily basis. Most of the existing WWTP's was designed to achieve BOD:TSS less than 30:50mg/lit and few WWTP's was designed to achieve BOD:TSS less than 20:30mg/lit

Indicative list of all existing WWTPs in Delhi is mentioned below:

Sr. No	Name of WWTP	Phase	Capacity in MGD	Design	
				Parameters BOD/TSS	Disinfection
1	Okhla WWTP	Phase I	30	30/50	No
2		Phase II	12	30/50	No
3		Phase III	37	30/50	No

Sr. No	Name of WWTP	Phase	Capacity in MGD	Design	
				Parameters BOD/TSS	Disinfection
4		Phase IV	45	30/50	No
5		Phase V	16	30/50	No
6		Phase VI	30		No
7	Rithala WWTP	Phase I	40	30/50	No
8		Phase II	40	10/15	No
9	Coronation Pillar	Phase I	10	30/50	No
10		Phase II	20	30/50	No
11		Phase III	10	30/50	No
12	Kondli WWTP	Phase I	10	30/50	No
13		Phase II	25	20/30	No
14		Phase III	10	20/30	No
15		Phase IV	45	20/30	No
16	Sen Nursing Home WWTP		2.2	20/30	No
17	Delhi Gate Nalah WWTP	Phase I	2.2	20/30	No
18		Phase II	15	10/10	Yes
19	Vasant Kunj	Phase I	2	30/50	No

Sr. No	Name of WWTP	Phase	Capacity in MGD	Design	
				Parameters BOD/TSS	Disinfection
20		Phase II	3	30/50	No
21	Mehrauli		5	30/50	No
22	Keshopur	Phase I	10	10/10	Yes
23		Phase II	20	30/50	No
24		Phase III	40	30/50	No
25	Pappankala	Phase I	20	30/50	No
26		Phase II	20	10/10	Yes
27	Najafgarh		5	30/50	No
28	Narela		10	30/50	No
30	Rohini		15	30/50	No
31	Ghitorni		5	30/50	No
32	Yamuna Vihar	Phase I	10	30/50	No

Sr. No	Name of WWTP	Phase	Capacity in MGD	Design	
				Parameters BOD/TSS	Disinfection
33		Phase II	10	30/50	No
34		Phase III	25	30/50	No
35	Games Village		1	3/3	Yes
36	Molar Band		0.66	30/50	No
37	Chilla		9	10/10	Yes
38	Kapashera		5	10/10	Yes
40	Nilothi	Phase I	40	30/50	NO
41		Phase II	20	10/10	Yes
Total Installed Capacity of STPs in MGD			655.06		

3. DJB has undertaken many initiatives to improve water quality of river Yamuna which receives discharge from these WWTPs such as “*Rehabilitation, process up-gradation of 182 MLD Rithala Ph I and Kondli Ph I, II & III (204.3 MLD) and construction of new WWTP (564 MLD) at Okhla which are under construction under JICA funded Yamuna Action Plan Ph III Project.* In addition these projects *Construction of 318 MLD (70 MGD) Wastewater Treatment Plant (WWTP) at Coronation Pillar is also under progress.* Tertiary filtration and disinfection system is being provided in these WWTPs to achieve treated effluent with BOD:TSS <10 :10 mg/lit and Fecal Coliform <100 mg/lit.

4. DJB has also plan to undertaken rehabilitation and process up-gradation of existing WWTPs to achieve treated effluent quality of BOD: TSS <3 : 3, mg/lit and Fecal Coliform <230 mg/lit.

The details of WWTPs which are to be upgraded are as follows:

Sl. No.	Name of WWTP	Capacity (MGD)
1.	Coronation Pillar	70

2.	Najafgarh	5
3.	Pappankalan	40
4.	Keshopur	72
5.	Nilothi	60
6.	Rithala	80
7.	Rohini	15
8.	Narela	10
9.	Kapashera	5
10.	Yamuna Vihar	45
11.	Mori Gate	10

5.The project aims not only to improve water quality of river Yamuna but also safeguard river Yamuna from such highly infectious viruses, pathogen and coliform etc being discharged along with discharge of effluent from the WWTPS where there is no provision of disinfection system.

6.DJB intends to invite Expression Interest from competent agencies for providing innovative, sustainable, economical, environment friendly technology solution for disinfection which shall be capable of handling all possible viruses, pathogen and coliform etc in wastewater and treated effluent. Agency must ensure that proposed innovative technology shall take minimum time for the installation and provide desirable results.

7.The interested firms may submit their Expression of interest for shortlisting alongwith the following details :

- a. Company profile alongwith relevant experience.
- b. Company registration certificate/s or other relevant document/s
- c. Financial capability alongwith document/s clearly showing last three (3) year annual turnover figures
- d. Detailed Approach & Methodologies showcasing sustainable disinfection technology which shall be capable of handling all possible viruses, pathogen and coliform etc including indicative figures for CAPEX and OPEX for preliminary evaluation.

Agency may be invited for technical presentation of their proposed solution in front of DJB officials at appropriate time.

The shortlisted firms shall be invited to submit their detailed techno commercial bids.

8.The complete proposal indicating the firm's interest in taking up the assignment with all relevant information as above with copies of relevant documents and full contact address shall be submitted in three hard copies and one soft copy at the address mentioned below on or before **03.07.2020 by 05.00 hrs.**

9.No application shall be received after the deadline.

10.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 Innovative Technology Provider for Disinfection in existing Wastewater Treatment Plants in Delhi"

11.DJB shall examine the proposal and evaluate them as per information and documents submitted by the contractors/firms to finalize the list of short listed contractors. However, DJB reserves the right to accept or reject any or all of the EOIs without assigning any reason whatsoever.

12.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.

13.The Expression of Interest with all documents shall be sent to :

**OFFICE OF THE EXECUTIVE ENGINEER (SDW) - IX,
DELHI JAL BOARD, GOVT. OF NCT OF DELHI,
RITHALA STP Phase –I ROHINI
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