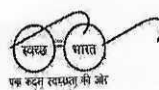
	DELHI JAL BOARD: GOVT. OF N.C.T. OF DELHI OFFICE OF THE EXECUTIVE ENGINEER (ISP) VARUNALAYA PHASE- I, JHANDEWALAN KAROL BAGH, NEW DELHI:-110005	
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No. DJB/EE (ISP) / 2024/ 1318

Dated:- 29/08/2024

Expression of Interest (EOI) for Bioremediation/Phytoremediation Treatment Process

A. Background:

The Delhi Jal Board (DJB), established under the Delhi Jal Board Act, 1998, is tasked with the production and distribution of drinking water, as well as the collection, treatment, and disposal of domestic sewage in the National Capital Territory (NCT) of Delhi. Delhi, encompassing New Delhi (the capital of India) and extending across both sides of the Yamuna River, is the largest metropolitan area in India and the second-largest in the world, with a population exceeding 28 million.

Numerous unauthorized colonies, Jhuggi-Jhopri Clusters (JJC), and villages in Delhi lack adequate sewerage systems, resulting in wastewater flow into the Yamuna River through main and sub-drains. To address this issue, DJB has previously initiated interceptor sewer projects on 108 sub-drains.

Over time, the proliferation of unauthorized colonies and Jhuggi-Jhopri (JJ) clusters in Delhi has led to a significant increase in population density. This rapid urban expansion has resulted in a corresponding rise in the number of sub-drains and the volume of wastewater generated. Consequently, the larger drains, which carry wastewater from these sub-drains, have seen a dramatic increase in the amount of waste flowing through them.

As a result, the Yamuna River, which receives the outflow from these major drains, has been severely affected. The increased volume of untreated wastewater has contributed to the deterioration of the river's water quality. The continuous inflow of pollutants has led to increased contamination levels, impacting the river's ecosystem and the overall health of the aquatic environment.

The unchecked growth of unauthorized settlements and the associated increase in wastewater flow through sub-drains and larger drains have thus played a crucial role in the worsening condition of the Yamuna River. Addressing this issue requires comprehensive intervention to manage and reduce wastewater discharge, restore the river's health, and mitigate the environmental impacts of urbanization.

Dy. Director (IT)
Delhi Jal Board, GNCTD

B. Hon'ble National Green Tribunal (NGT) and Integrated Drain Management Cell (IDMC)

The Integrated Drain Management Cell (IDMC), established by the Hon'ble National Green Tribunal (NGT) on 5 March 2020, is tasked with the remediation and management of Delhi's drains. IDMC has been mandated to explore alternative technologies for wastewater management, including bioremediation and phytoremediation.

C. Expression of Interest (EOI)

DJB invites interested parties to submit their Expression of Interest (EOI) for the implementation of bioremediation and phytoremediation processes in lakes and drains across Delhi, on the stretches to be identified by them as per their funding capability and convenience with funding through Corporate Social Responsibility (CSR) initiatives.

I. Objective:

To identify potential partners for collaborative efforts in restoring water bodies using eco-friendly bioremediation and phytoremediation techniques.

II. Scope of Work:

- **Bioremediation/Phytoremediation Treatment:** Implement treatment processes for identified lakes and drains.
- **Water Quality Improvement:** Enhance water quality and aesthetics.
- **Biodiversity Enhancement:** Foster biodiversity and ecosystem services.

III. Partnership Offer: Drain owning agencies and land owning agencies will provide access to the lakes and drains identified by the firm/agency/contractor/parties for treatment. The selected partner will:

- a. **Design and Execute Treatment:** Develop and implement the treatment process.
- b. **Fund the Project:** Provide funding through CSR initiatives.
- c. **Collaborate with DJB:** Work together on monitoring and evaluation.

IV. Role of Delhi Jal Board:

Delhi Jal Board will act as a catalyst & coordinator between drain/ land owning agencies/stakeholders & technology providers like CPCB/NGOs/experts in this field etc.

V. Eligibility Criteria:

- Commitment: Strong commitment to a collaborative partnership & minimum commitment to fund not less than Rs. 15 Lakh on CAPEX and maintain the system for next three years.
- Committed CSR fund willing to invest the interested party should submit their proposal within 30 days from the date of publication

VI. Submission Guidelines:

Interested parties should submit their Expression of Interest, including:

- **Company Profile:** Overview of the organization.
- **Experience:** The interested party must have experience on CSR funding.
- **Proposed Treatment Approach:** Outline of the proposed bioremediation/phytoremediation treatment process.

VII. Submission Deadline: 30/09/2024

VIII. Submissions should be sent to:

EXECUTIVE ENGINEER (ISP),
ROOM NO. 506, VARUNALAYA PHASE-I
KAROL BAGH, NEW DELHI-05
Email- eeisp2019@gmail.com

- IX. For any further clarification or additional information, Sh. Bhupesh Kumar CE(Dr.)Proj-III, Ph- 965091577

EXECUTIVE ENGINEER (ISP)

Copy for kind information to:

1. PS to Chairman, Delhi Jal Board.
2. PS to Vice-Chairman DJB/All Members DJB
3. PS to C.E.O./CVO/Director (F&A)
4. Pr.CE (DR) PR-I/II/III/All CE (civil / E&M)/ Planning
5. All ACE (Civil / E&M) I
6. All Dy.SE/ Executive Engineer's (civil / E&M), Dr./(P)/SR/(PI.) Dr.
- ✓ 7. EE (EDP) with request to display at DJB website.
8. Jt. Dir. (S&DM)/Sr. A.O. (Dr.) Proj. IV
9. PRO with 10 spare copies to publish the NIT in the appropriate new papers.
10. AE (ISP)
11. Contractor's registered in appropriate category in DJB.
12. Contractor Association, 36, Block-BA, Shalimar Bagh, New Delhi-88

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