

Expression of Interest (EOI)

For

Existing Sewage Treatment Plants (STPs) to meet CPHEEO, NGT and MPPCB Norms for Treated Water Discharge and Reuse



Mela Office, Kothi Road, Ujjain -465010

November 2025

NIT No. USCL/408

Tender ID: 2025_UAD_463635_1

Place: Ujjain, Date: 19/11/2025

Expression of Interest (EOI) for Technology / Capacity Upgradation of Existing Sewage Treatment Plants (STPs) to meet CPHEEO, NGT and MPPCB Norms for Treated Water Discharge and Reuse

1. Background

Ujjain Municipal Corporation (UMC) operates two major Sewage Treatment Plants (STPs):

- **100 MLD Oxidation Pond System** at Sadawal, and
- **92.5 MLD Sequencing Batch Reactor (SBR) Plant** at Surasa (AMRUT 1.0).

These STPs treat the city's wastewater before discharge into natural drains and ultimately into the River Shipra.

With revised discharge standards issued by CPHEEO (2023 Manual), NGT, and MP Pollution Control Board (MPPCB), there is a need to upgrade existing facilities to ensure compliance and promote safe reuse of treated wastewater for agriculture, landscaping, and lake recharge.

Accordingly, on behalf of Ujjain Municipal Corporation UMC, **Ujjain Smart City Limited (USCL)** invites Expressions of Interest (EOI) from reputed agencies for proposing appropriate technologies, process improvements, and capacity augmentation solutions for the above STPs.

2. Objectives

- Upgrade existing STPs to achieve effluent quality compliant with CPHEEO/NGT norms (BOD $\leq$ 10 mg/L, TSS $\leq$ 10 mg/L, TN $\leq$ 10 mg/L, TP $\leq$ 1 mg/L, pH 6.6-8.5, Faecal coliform $\leq$ 1000 MPN/100ml)
- Explore retrofit-based capacity augmentation of existing STPs to handle future hydraulic and organic loads up to 2035 planning horizon.
- Enable reuse of treated water for irrigation and non-potable applications.
- Improve energy efficiency, reliability, and automation of treatment systems.
- Integrate sludge management, odour control, and SCADA-based monitoring.

3. Scope of Work

1. Diagnostic Assessment of existing STPs (capacity, unit performance, bottlenecks).
2. Gap Analysis vis-à-vis latest CPHEEO and MPPCB standards.
3. Preparation of a Technology and Capacity Augmentation Plan, including:
 - Retrofit of existing treatment units for performance enhancement;
 - Capacity augmentation (up to 20–30%) through modular or hybrid treatment solutions, utilizing existing infrastructure;
 - Provisions for tertiary polishing, nutrient removal, and reuse;

- Integration of automation and SCADA for optimized operation
4. Implementation Strategy with phased plan.
 5. Operation & Maintenance (O&M) Model ensuring quality compliance.
 6. Reuse Strategy for agriculture, industry, and Shipra rejuvenation.

4. Eligibility Criteria

SN	Criteria	Requirement / Supporting Document
1	Legal Entity	Company / Firm registered in India
2	Experience	Minimum 5 years in design, retrofit, or O&M of STPs $\geq$ 10 MLD
3	Completed Projects	At least 3 STPs upgraded/operated for ULBs or Govt. bodies
4	Proven Technology	Demonstrated compliance with NGT/CPHEEO norms
5	Financial Turnover	$\geq$ ₹5 crore average annual turnover (last 3 years)
6	Key Personnel	Process engineer, environmental specialist, O&M manager
7	Certifications	ISO 9001/14001/45001 preferred

5. Submission Format

Interested parties shall submit EOIs in the following sequence:

Part I – Cover Letter

- Addressed to the Commissioner, UMC.
- Expressing interest with a brief overview of expertise.

Part II – Organizational Profile

- Name, address, registration details, contact person, organization structure.

Part III – Technical Credentials

- Description of similar projects executed.
- Summary of technology adopted and effluent results achieved.

Part IV – Proposed Approach

- Diagnostic methodology and upgradation concept.
- Implementation and O&M plan.

Part V – Financial & Resource Capability

- Audited financials for last 3 years.
- List of key technical personnel.

Part VI – Declarations

- No-blacklisting certificate.
- Compliance with applicable laws and safety norms.

6. Evaluation Criteria

Parameter	Weightage (%)
Relevant Experience	30
Technical Approach & Technology Suitability	30
Innovation and Retrofit Augmentation Feasibility	10
Demonstrated Results / Case Studies	10
Financial Capacity	10
Local Presence / After-sales Support	10

Shortlisted firms may be called for technical presentation and interaction.

7. Schedule

Activity	Date
EOI Issue Date	19/11/2025
Pre-bid Clarifications	26/11/2025
Submission Deadline	04/12/2025 (up to 17:00 Hrs)
Opening of EOIs	04/12/2025
Shortlisting/Presentation	To be Notify

8. Submission Details

EOI must be submitted in **hard copy and soft copy (PDF)** to:

Executive Director,

Ujjain Smart City Limited

Mela Office, Kothi Road, Ujjain - 456010

Phone: 0734 – 2520319 Email: ujjainsmartcity@mpurban.gov.in

Subject: *EOI for Technology / Capacity Upgradation of Existing STPs of UMC*

9. Disclaimer

This EOI is issued only to elicit interest and obtain proposals. It does not constitute an offer or guarantee of award. USCL/UMC reserves the right to modify or cancel the process at any stage without assigning reasons.

10. Contact Information

For further details/clarifications:

- (i)** Sh. Abhilash Mishra, Executive Director, Ujjain Smart City Limited & Commissioner, Ujjain Municipal Corporation (+91 734 2520319)
- (ii)** Sh. Sandeep Shiva, Chief Executive Officer, Ujjain Smart City Limited (+91 9111911193)
- (iii)** Sh. Sanjay Shakya, Team Leader, PDMC, Ujjain Smart City Limited (+91 8003772222)

Annexures – EOI Response Formats

(To be submitted by Applicants)

Annexure 1 – Cover Letter (On Applicant's Letterhead)

Date:

To,

**Executive Director,
Ujjain Smart City Limited,
Mela Office, Kothi Road, Ujjain**

Sub: Submission of Expression of Interest for Technology / Capacity Upgradation of Existing STPs of UMC

Ref: EOI Notification published under NIT No USCL/XXX Dated XX.10.2025

Dear Sir,

We hereby submit our Expression of Interest (EOI) for **Technology / Capacity Upgradation of Existing Sewage Treatment Plants (STPs) of Ujjain Municipal Corporation (UMC)** to meet CPHEEO, NGT and MPPCB Norms for Treated Water Discharge and Reuse .

We confirm that all information furnished in this EOI is true and correct. We understand that Ujjain Smart City Limited reserves the right to accept or reject any application without assigning reasons.

Authorized Signatory

Name:

Designation:

Seal/Stamp:

Annexure 2 – Applicant's Organization Details

Particular	Details
Name of Applicant	
Legal Status (Company/LLP/Partnership)	

Year of Incorporation	
Registered Office Address	
Contact Person (Name, Designation)	
Email & Phone	
PAN / GSTIN	
CIN / Registration Number	

Annexure 3 – Financial Capability

Financial Year	Turnover (INR)	Net Worth (INR)	Profit After Tax (INR)
2024-25			
2023-24			
2022-23			
2021-22			
2020-21			

(Attach CA Certificate with UDIN for last 5 years.)

Annexure 4 – Relevant Project Experience

(Provide details of at least 3 completed PPP/Land Monetization/Infra Advisory projects)

SN	Project	Capacity (MLD)	Client	Technology	Year	Effluent Parameters	Status (Completed/ Ongoing)

(Attach completion certificates / client references where available.)

Annexure 5 – Team Details

SN	Name	Designation	Qualification	Relevant Projects
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(Attach CVs of Key Professionals.)

Annexure 6 – Technical Concept Note

(Max 5 pages) – Applicant to provide:

- Understanding of assignment.
- Technical note on proposed solution/technology option.
- Proposed strategy and implementation plan.

Annexure 7 – Declarations

1. We hereby declare that our firm is **not blacklisted** by any Government/PSU/ULB in India.
2. We confirm there is **no conflict of interest** in participating.
3. We agree to abide by the terms and conditions of empanelment.

Authorized Signatory
(Name, Designation, Seal)

Enclosures:

- **Annexure 1–7**