



**PUBLIC HEALTH ENGINEERING ORGANIZATION
HOUSING AND URBAN DEVELOPMENT DEPARTMENT
GOVERNMENT OF ODISHA**

EXPRESSION OF INTEREST

EOI No. 02 /2014-15 Date 12.02.2015

Sealed Expression of Interests (EOIs) are invited from interested/intending Govt. (State/Central/Union Territory) and Private Agencies having experience of establishing and operating water/waste water testing laboratories (minimum one) and duly certified / accredited by NABL, Dept. of Science and Technology, GoI for empanelling / shortlisting / selecting such agencies for establishment and operation of 1no. of state level advanced laboratory at Bhubaneswar, 6nos. of PH Division level laboratories at Cuttack-1; Bhubaneswar-2; Sambalpur; Berhampur; Rourkela; and Puri; and 16nos. of WTP level basic laboratories at different places in the above mentioned Divisions on **PPP / outsourcing mode** for testing water & waste water for quality monitoring.

The sealed EOIs can be sent in prescribed format by registered post or speed post or submitted in person to the undersigned by **09.03.15**. The detailed EOI can be downloaded from the website of the H & UD Department- <http://www.urbanodisha.gov.in> & from Government of Odisha website (<http://www.odisha.gov.in>) with effect from **19.02.2015. at 11.00 AM**. under the item "**EOI for Establishment and Operation of Water-testing Laboratories**" at the home page. The authority reserves the right to cancel all or any of EOI bid without assigning any reason thereof.

Sd/-

CHIEF ENGINEER

PUBLIC HEALTH (URBAN)

1st Floor, Heads of Departments Building
Unit -5, Behind State Secretariat
Bhubaneswar - 751001

Memo No.SOT-198/2015 2157 Dated 12.02.2015

Copy alongwith soft copy forwarded to the Deputy Director (Advt.) and Deputy Secretary to Govt., Information & Public Relation Deptt., Odisha, Bhubaneswar for information with a request to arrange immediate publications of the "**Expression of Interest (Eoi)**" for one day in **1 (one) English National News Paper (Times of India) all editions** in addition to **one leading Oriya daily**. It is requested to ensure the publication of above Eoi notice on or before **19.02.2015**. The payment for publishing the same in the above mentioned newspapers will be borne by this office, if the same cannot be borne by the I&PR Deptt. Copies of the newspapers featuring publication of the notice may please be sent to this office for necessary action.

Encl: As above

Sd/-

CHIEF ENGINEER, PH (URBAN)

Memo No. 2158 Dated 12.02.2015

Copy submitted to the Commissioner-cum-Secretary to Government, Housing & Urban Development Department, Odisha, Bhubaneswar for favour of kind information & necessary action.

Sd/-

CHIEF ENGINEER, PH (URBAN)

Memo No. 2159 Dated 12.02.2015

Copy with **Soft Copy** of the **EoI (2 Nos.)** forwarded to the Head, State Portal Group, I.T. Center of State Secretariat for display in the **Government of Odisha Web Site (<http://www.odisha.gov.in>) on or before 19.02.2015.**

Encl : As above

Sd/-

CHIEF ENGINEER, PH (URBAN)

Memo No. 2160 Dated 12.02.2015

Copy with **Soft Copy** of the **EoI (2 Nos.)** forwarded to the PMU Cell, H&UD Department, Odisha, Bhubaneswar for display in the H & UD Department - **<http://www.urbanodisha.gov.in> on or before 19.02.2015.**

Encl : As above

Sd/-

CHIEF ENGINEER, PH (URBAN)

Memo No. 2161 Dated 12.02.2015

Copy forwarded to the Superintending Engineer, PH Circle, Bhubaneswar / Cuttack / Sambalpur/ Berhampur/ Executive Engineer, PH Division-I/II/III, Bhubaneswar/ Puri/ Cuttack-I / Rourkela / Sambalpur/ Berhampur for information & necessary action.

Sd/-

CHIEF ENGINEER, PH (URBAN)

Public Health Engineering Organization
Housing and Urban Development Department
Government of Odisha

EXPRESSION OF INTEREST

Sealed Expression of Interests (EOIs) are invited from interested/intending Govt. (State/Central/Union Territory) and Private Agencies having experience of establishing and operating water/waste water testing laboratories (minimum one) and duly certified/accredited by NABL, Dept. of Science and Technology, GoI for empanelling/shortlisting/selecting such agencies for Establishment and Operation of 1no. of State Level Advanced Laboratory at Bhubaneswar, 6nos. of PH Division level laboratories at Cuttack-1; Bhubaneswar-2; Sambalpur; Berhampur; Rourkela; and Puri; and 16nos. of WTP level basic laboratories at different places in the above mentioned Divisions on PPP / Outsourcing mode for testing water & waste water for quality monitoring.

The brief scope of work is as under:

1. Establishing of laboratory including equipment and total set up for one state level & six Divisional laboratories and work laboratories at each Water Treatment Plant at each division.
2. Providing specified manpower, consumable required and arrange for collection and testing of water samples.
3. The list of test to be carried out in the above laboratories as per enclosed Annexure-A.
4. Minimum no of sampling frequency is enclosed with Annexure-B & minimum number of tests to be carried out is given at ANNEXURE-C.
5. The RFP for Establishment and Operation of Public Health Engineering Laboratories for Testing and Quality Monitoring of Water on PPP / outsourcing mode will be floated to the empanelled agencies to be selected based on this EOI only.
6. The contract period of Operation of Laboratories is only for 10 years.

The Agency(s) interested to participate in this EOI process for empanelment/shortlisting/selection should submit self attested copies of the following documents and information in his/ her/ their offer in sealed envelope so as to reach the Office of the Chief Engineer, Public Health (Urban), 1st Floor, Heads of the Department Building, Unit-V, Bhubaneswar, Odisha, PIN 751001) on or before **09.03.2015 (4.00pm)** through Regd. Post / Speed Post / Courier only. This EOI is also available on www.urbanodisha.gov.in , www.pheoodisha.gov.in & <http://www.odisha.gov.in>.

Eligible Agencies:

The agencies intending to submit Eoi for establishment of Water Testing laboratories will be shortlisted for RFP based on the following eligibility conditions:

1. The average annual turnover of the agency should be minimum 25 lakhs in last three years.
2. Agency should have owned minimum one laboratory, which has a valid accreditation by NABL.
3. Total number of personnel in payroll should be above 50 out of which minimum 5 numbers are chemist.

The above is for provisional empanelment, detailed terms & conditions will be stipulated in RFP to be floated later.

Mandatory/ essential documents to be submitted along with the EOI:

1. Valid Registration Certificate of the intending Agency. The Registration Certificate should also contain the name/nomenclature of the tests and relevant standard(s)/specification(s) (any standard method e.g, ASTM/BIS/APHA/USEPA) to be followed for conducting such tests for which the Agency has been permitted/allowed in the Registration Certificate.
2. Valid accreditation certificate of NABL for the laboratories being operated by the agency.
3. List of tests being conducted by the agency with name of laboratories where such tests are being conducted. Preference will given to parties who are having experience in testing of water for the test listed in the Annexure-A.
4. Details of similar experience with water laboratories, if any.
5. Details of Employees engaged in the agency.
6. Annual turnover and balance sheet for last 3 years.
7. Valid VAT Clearance Certificate as prescribed by Govt. of Odisha or Service Tax Registration Certificate as prescribed by Govt. of India issued in the name/ nomenclature of the Agency.
8. PAN CARD in the name of the Agency.
9. Detailed Address, Telephone Contact No. e-mail ID & Web Site reference (if any)
10. An Applicant shall be subject to disqualification at any stage of empanelment process, if it has:
 - Made a false representation in the form, statement and attachments required in the Registration documents;
 - Has been debarred by Government of India / Government of Odisha or any other governmental agency
11. The format for submission of offer for empanelment is placed at **ANNEXURE-D**

CHIEF ENGINEER
PUBLIC HEALTH (URBAN)
1st Floor, Heads of Departments Building,
Behind State Secretariat, Unit - V
Bhubaneswar - 751001

FUNCTIONAL CAPABILITIES OF VARIOUS LABORATORIES

Sl. No.	Name of the test	Laboratory levels			
		Basic (WTP Level)	Divisional	Zonal	State
1	Colour ,Odour , pH ,Turbidity	√	√	√	√
2	Conductivity	x	√	√	√
3	Alkalinity	x	√	√	√
4	Residual chlorine	√	√	√	√
5	Iron	x	√	√	√
6	Chloride	x	√	√	√
7	Hardness	x	√	√	√
8	Total solids, Suspended solids	x	x	√	√
9	Nitrogen (ammonia)	x	√	√	√
10	Nitrites	x	√	√	√
11	Nitrates	x	x	√	√
12	Fluorides	x	x	√	√
13	Metal, viz., Arsenic, Aluminium, Lead, Manganese	x	x	√	√
14	Heavy metals	x	x	√	√
15	Toxicity	x	x	x	√
16	Chlorine demand	x	√	√	√
17	Bacteriological analysis	√	√	√	√
18	Virological analysis	x	x	√	√
19	Biological analysis	x	x	√	√
20	Waste water analysis viz., BOD, COD, TOC,	x	x	√	√
21	Additional parameters, oil and grease, pesticides,	x	x	x	√
22	Alpha/beta count	x	x	x	√

SUGGESTED MINIMUM SAMPLING FREQUENCY FOR WATER QUALITY MONITORING

SN	Size and Source	Frequency	PARAMETERS							Remarks
			Residual Chlorine	Physical	Chemical	Bacteriological	Biological	Metals & Pesticides	Parameter s As, r+6, Fe & Mn, Fluoride	
1	< 50,000 Population	i. Daily	√							From source & distribution system
	a. Ground Water (Tube Well, Sanitary Well, Bore Well)	ii. Quarterly		√	√	√			√	
	b. Ground Water(Hand Pump)	Twice a year		√	√	√			√	In summer & rainy season
2	>50,000 up to 1,00,000	i. Daily	√							From source Population and distribution system
	a. Ground Water(Tube Well, Sanitary Well, Bore Well)	ii. Monthly				√				
		iii. Quarterly		√	√				√	
	b. Hand pump	Twice a year		√	√	√			√	In summer & rainy season
3.	>1,00,000 Population a. Ground Water (Tube Well, Sanitary Well, Bore well	i. Daily	√							From source & distribution system
		ii. Monthly				√				
		iii. Quarterly		√	√				√	
		iv. Annually						√		
	b. Ground Water(Hand pump)	i. Twice a year		√	√	√			√	In summer & rainy season
		ii. Annually						√		
4.	Surface water a. Raw water, source and intake point	i. Daily		√	√					
		ii. Weekly				√				
		iii. Annually						√	√	
		iv. Occasional					√			(As & when required)
	b. Sedimentation tank after clarifier	i. Daily								Turbidity only
		ii. Weekly				√				
		iii. Occasional					√			(As & when required)
	c. Filtered water	i. Daily								Turbidity only
		ii. Weekly				√				
	d. Clear water storage reservoirs	i. Daily	√	√	√					
		ii. Weekly				√				
	e. Distribution system	i. Daily		√						
		ii. Weekly				√				
lii,monthly			√	√						

MINIMUM NUMBER OF SAMPLING FOR ANALYSIS

Population served	Maximum intervals between successive sampling in days	Minimum Number of samples to be taken from entire distribution system per month
Up to 20,000	30	1 per 5,000
20,000 - 50,000	15	1 per 5,000
50,000 - 1,00,000	4	1 per 5,000
More than 1,00,000	1	1 per 10,000

LETTER OF SUBMISSION OF OFFER

Letter No.:

Place:

Date:

From:

[Name of Agency/Firm with
Complete Address of Communication]

To:

**The Chief Engineer, Public Health (Urban), 1st Floor, Heads of the Department Building,
Unit-V, Bhubaneswar, Odisha, PIN 751014)**

**Subject: EMPANELLING/SHORTLISTING OF AGENCIES FOR ESTABLISHMENT AND
OPERATION OF PUBLIC HEALTH ENGINEERING LABORATORIES FOR TESTING
AND QUALITY MONITORING OF WATER & WASTE WATER**

We, the undersigned, offer to provide the services for the above in accordance with your E.O.I dated **12.02.2015**. We are hereby submitting our offer both in hard copy and soft copy format sealed in an envelope.

We have examined the information provided in your E.O.I and offer to undertake the work described in accordance with requirements specified in E.O.I. This proposal is valid for acceptance for 120 days and we confirm that this proposal will remain binding upon us and may be accepted by you at any time before this expiry date.

We hereby declare that all the information and statements made in this Proposal are true and accept that any misinterpretation contained in it may lead to our disqualification.

I confirm that I have the authority of (***Name of the agency/institution***) to submit this offer and to clarify any details on its behalf.

We understand you are not bound to accept any offer you receive.

Yours sincerely,

Enclosers:

Signature [In full and initials]:

Name and Title of Signatory:

Name of Firm:

Address:

APPENDIX – I of Annexure-D

FORMAT FOR SUBMISSION OF OFFER

A. General Details:

Sl	Name of the organization / Firm/ Institute	
1.	Permanent address Tel : Fax : Email id :	
2.	Name of the Authorized person for submitting proposal: Mobile No. : Email id : <i>(Attach Authorization letter of Competent Authority)</i>	
3.	Details of Registration of the firm (Enclose Copy of certificate)	
4.	Details of Service Tax / VAT registration (enclose copy of certification)	
5.	Details of PAN of Income tax	
6.	Whether the agency was ever blacklisted: Y / N if yes whether that blacklisting was not cancelled: Y/N (If yes, attach copy of same and the affidavit)	
7.	Brief professional background of the organization	
8.	Confirm to carry assignment as per E.O.I	YES

B. Financial Details:

SN	Year	Turnover	Net worth
1.	2011-12		
2.	2012-13		
3.	2013-14		
4.	Avg for 3 years		

(Certificate from Chartered Accountant to be enclosed along with the copies of balance sheets)

C. (a) Institutional Strength (Quality and Number of Own Expert / Technical Support) Add rows for additional number if necessary.

SN	Name of the Expert	Qualification	Experience	Details of Expertise in Water Analysis

C. (b): Total Number of personnel in payroll as of 31st Dec, 2014

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D. Work Experience (Similar work of operating Water Testing Lab) up to 31/12/2014

SI No	Details of Laboratory and address	Testing facilities for water and waste water	Accreditation agency details	Number of years of operation	Type of ownership/ contract of operation

(ADD ROWS IF REQUIRED, Certificate of accreditation to be enclosed)

E. Experience in other Lab operation (up to 31st May, 2014)

SI No	Details of Laboratory and address	Testing facilities available	Accreditation agency details	Number of years of operation	Type of ownership/ contract of operation

(ADD ROWS IF REQUIRED, Certificate of accreditation to be enclosed)

F. Suggestions on preferred technology for water testing test required to be carried out for the tests listed at Annexure - A

SN	Name of the Test	Suggestion on preferred methods and equipment
1	Colour ,Odour , pH ,Turbidity	
2	Conductivity	
3	Alkalinity	
4	Residual chlorine	
5	Iron	
6	Chloride	
7	Hardness	
8	Total solids, Suspended solids	
9	Nitrogen (ammonia)	
10	Nitrites	
11	Nitrates	
12	Fluorides	
13	Metal, viz., Arsenic, Aluminium, Lead, Manganese	
14	Heavy metals	
15	Toxicity	
16	Chlorine demand	

17	Bacteriological analysis	
18	Virological analysis	
19	Biological analysis	
20	Waste water analysis viz., BOD, COD, TOC,	
21	Additional parameters, oil and grease, pesticides,	
22	Alpha/beta count	

G. Suggestion on mode of contract for establishment and operation of water/waste water testing laboratory (BOT/BOOT/Others etc.).

Authorized Signatory [signature in full and initials]:

Name and Title of Signatory:

Name of Firm:

Address: