



प्रदूषण नियंत्रण समिति

Pollution Control Committee

संघ प्रदेश प्रशासन दादरा एवं नगर हवेली एवं दमन एवं दीव

U. T. Administration of Dadra and Nagar Haveli and Daman and Diu

प्रथम तल, उद्योग भवन, भेंसलोर, नानी दमन, दमन - ३९६२१०

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No. PCC/DDD/Projects/R-G/2018-19/ 33

Date: 19/03/2025

Notice Inviting Expression of Interest (Eoi) (2nd Call) To Carry Out River Water & Groundwater Quality Monitoring in The U.T. of Dadra and Nagar Haveli & Daman and Diu

Pollution Control Committee, DNH & DD invites Expression of Interest (Eoi) (2nd Call) from the agencies meeting eligibility criteria to carry out the National Water Quality Monitoring Programme in the U.T. of DNH & DD as per the terms and conditions mentioned herewith.

Eligibility Criteria:

1. The bidder shall have valid certification / recognition under Environment (Protection) Act, 1986 from MoEF & CC / CPCB.
2. It should have its own laboratories and qualified technical & scientific personnel.
3. Bidder must have the recognition from MoEF & CC of all / or atleast 70% of the parameters that need to be analyzed by Pollution Control Committee DNH & DD.
4. The estimated cost of the project being **8.1 lakhs** (Incl. of GST), the prospective bidder must have successfully executed / completed similar services over the last seven (7) financial years (i.e. monitoring of ground water quality / river water quality) of Pollution Control Boards / Committees, Government Department / Agency, Government Autonomous Bodies as per the criteria defined below:
 - (a) Three similar completed services costing not less than the amount equal to 40% of the estimated cost; or
 - (b) Two similar completed services costing not less than the amount equal to 50% of the estimated cost; or
 - (c) One similar completed service costing not less than the amount equal to 80% of the estimated cost.
5. The bidder should have a minimum average annual financial turnover of Rs. 15 Lakhs during the last 3 financial years which should be supplemented by

the financial statements for such financial years issued by a Statutory Auditor / Chartered Accountant.

6. Rates must be in accordance with the latest CPCB guidelines, wherever applicable.
7. The laboratory of the agency should have valid NABL Accreditation.
8. This invitation for the Bid is open to any bidder who is a reputed service provider and meets the qualifying requirements stipulated hereunder for participation in the bid. The bidder shall furnish satisfactory evidence for the same.
9. Authorized signatory for signing of the analysis report shall have minimum qualification of M.Sc. Chemistry / M.Sc. Environmental Science.
10. Apart from this, the Bidder shall ensure compliance of the manpower requirement as laid down in the "General Guidelines for Recognition of Environmental Laboratories under the Environment (Protection) Act, 1986" which has also been mentioned along with:

Sl. No.	Qualification	Nature of Job	Numbers
1.	High School / Intermediate with Science	Assistance in Sampling & Analysis	2
2.	Bachelor Degree in Basic Science	Sampling & Analysis	4
3.	Master Degree in Science or Bachelors Degree in Engineering / Technology or Ph.D. in Science	Sampling & Analysis. Supervision of Analysis	3
Total Manpower (Minimum)			9

Compliances with respect to the manpower requirement should be strictly adhered to during the entire duration of the project.

11. The agency shall have valid License / Registrations whichever are applicable by law and required for providing services mentioned in this tender.
12. The Bidder should ensure of not having been Black-listed by any Central / State Government agency and must submit a Self-Declaration on the same as per the format enclosed at **Annexure-4**.
13. The Bidder besides having well-qualified and experienced personnel should also have proper instruments / equipments for the sampling & analysis of the water quality parameters. All these should be in compliance to what has been laid down in the "General Guidelines for Recognition of Environmental Laboratories under the Environment (Protection) Act, 1986".

The interested Expert Agency(ies) are required to submit the EoI along with necessary documents related to profile of the agency, work experience, certification under Environment (Protection) Act, 1986 from MoEF&CC / CPCB and NABL Accreditation so as to reach "**Office of the Member Secretary, Pollution Control Committee, Udyog Bhawan, 1st Floor, Bhenslore, Nani Daman, Daman - 396210**" on or before on **09/04/2025** by **06:00 p.m.** The details on Background, Objectives and other details of the Project have been attached herewith.



(Saurabh Mishra)
Member Secretary
Pollution Control Committee,
DNH & DD

Copy to,

1. The State Informatics Officer, National Informatics Officer (NIC), Daman with a request to upload the notice on the official website of the UT Administration for wide publicity.
2. NIC, Delhi – To upload on the OCMMS portal.

Project on "Sampling and Analysis for River Water Quality (Monthly basis) And Ground Water Quality (Quarterly basis) in the U.T. Of Dadra and Nagar Haveli & Daman and Diu"

1. Background:

Environmental pollution due to increasing industrialization and urbanization has reached an alarming level. Indiscriminate disposal of different categories of wastes into the environment at many places have resulted in serious damage to the natural resources (soil, water and air), flora & fauna, and health of human beings.

As per the direction of CPCB and MoEF & CC, remedial Action Plans for the identified polluted areas were prepared by concerned SPCBs / PCCs and are at various stages of implementation. The effective implementation of these remedial action plans would help in the pollution control and improvement of environmental quality.

To assess the environmental quality, monitoring is being carried out by PCC, DNH & DD through MoEF & CC recognized Environmental labs periodically.

2. Objectives

Monitoring of identified Polluted Areas in terms of surface water and ground water quality parameters which could be used for assessment of the environmental quality of the area.

3. Terms and Conditions:

- a) Expression of Interest is invited from the reputed registered agencies / laboratories having experience in Sampling and Analysis for surface water quality and ground water quality.
- b) The Expression of Interest shall be submitted in two parts viz. Technical bid and Financial bid. The bids shall be kept in two separate sealed envelopes mentioning on top middle of the envelopes as "Technical bid" and "Financial bid" respectively. Both these envelopes shall be enclosed in another single envelope superscripted with the phrase "**Expression of Interest for Sampling and Analysis of River & Ground Water Qualities for the U.T. of DNH & DD**" on the top-middle of the envelope and send it to the office of the undersigned. Unsealed Bids shall be rejected summarily.

- c) Financial bid shall be considered and opened only after successfully qualifying the Technical bid. The rates offered by the laboratory / agency shall be valid for a period of one year from the date of issuing Work Order and shall be in accordance with rates notified by CPCB.
- d) The Expert Agencies / Laboratories should have valid certification / recognition from MoEF & CC / CPCB under the Environment (Protection) Act, 1986.
- e) The interested Expert Agencies / Laboratories are required to submit the EoI along with necessary documents related to profile of the agency, work experience, certification under Environment (Protection) Act, 1986 from MoEF & CC /CPCB, NABL Accreditation as per ISO / IEC : 17025.
- f) The successful agency shall be required to carry out the River Water Quality Monitoring on Monthly basis while the Groundwater Quality Monitoring shall be carried out on Quarterly basis. However, Pollution Control Committee reserves the right to modify frequency of the sampling activities.
- g) The Executing laboratory / agency in addition to providing the monthly sampling schedule in advance shall also inform this office the next upcoming monitoring detail at least **7 days** in advance seeking their participation in the monitoring & sampling works.
- h) During the course of implementation of the project, the executing agency shall conduct the monitoring and analysis strictly as per methodologies / techniques prescribed in Standard Methods by APHA / EPA / BIS / CPCB manuals (as the case may be).
- i) The water quality analysis report of a particular month mentioning the parameters as specified / requested by PCC, DNH & DD should be submitted to this office within the first **15 days** of the following month.
- j) The successful agency shall not assign or sublet the work or any part thereof to any other person or party. Only one bid shall be submitted by the bidder.
- k) The agency must bid for whole quantity. Partial bidding will not be accepted and will not be considered for further process.
- l) Expression of Interest with incomplete details / false details / with omissions & errors etc. shall be rejected. Conditional tender will also be rejected.
- m) If it is found that the Expression of Interest is not submitted in proper manner or contains too many corrections or absurd rates or amounts, it shall be summarily rejected.

4. Specific Conditions:

- a) The participating agency should have its own laboratory and qualified technical & scientific personnel.
- b) In case of any disputes arising out of this tender process and tender work, the decision of the Competent Authority of PCC shall be final and binding on the agency.
- c) Pollution Control Committee, DNH & DD reserves the right to increase or decrease the number of monitoring and sampling locations, Schedule of Requirements without any change in the unit prices or other terms and conditions of the bid and the Bidding Documents.
- d) Pollution Control Committee, DNH & DD reserves the right to allot the additional work of river water quality monitoring (**during occasions such as Ganesh Chaturthi, Durga Puja, etc.**), as per PCC's requirement and for suggested parameters without any change in the unit prices or other terms and conditions of the bid and the Bidding Documents.
- e) No infrastructure like instrument, chemicals or others requisite like vehicle, electricity etc will be provided by the PCC, DNH & DD.
- f) The price quoted shall remain fixed, irrespective of rise in Materials prices, till the expiry of the contract period. No request in regard to increase in the price of instruments, manpower, etc will be entertained after the submission of the bid.
- g) Any other facility charges used for the sample collection will be payable by the Bidder only.
- h) Only the successful Bidder will be responsible for the payment and other benefits of the employee engaged in this sampling & analysis work.
- i) All the information and data generated or collected during the execution of the work shall be treated as confidential and sole property of PCC, DNH & DD and the findings of the study shall not be published without prior permission of PCC, DNH & DD.
- j) The Executing agency shall submit the complete sampling and analysis reports including summary of the parameters exceeding the prescribed standards / norms within a period of **2 weeks** from the day of completion of the monitoring in all locations.
- k) On completion of the sampling & analysis on monthly basis, the Executing Agency shall submit 2 copies of final report along with its soft copies in MS

Excel & MS word (Location-wise) including the hardcopies sent to the office of the undersigned.

5. Technical Conditions: -

- a) Bidder shall have to submit Meteorological Data (Humidity, Temperature, Wind speed, Wind Direction, Rain fall etc.) of the current city where the sampling & analysis is being carried out.
- b) Sampling and Analysis for river water quality and ground water quality shall be carried out as per the NWMP and Analysis Guidelines published by CPCB and its amendments thereof.
- c) The locations identified by PCC shall be used only for the purpose of collection of samples for analysis and not for any other purpose.
- d) Pollution Control Committee, DNH & DD has power to inspect the works carried out by the agency and if found to be unsatisfactory, PCC DNH & DD reserves the right to discontinue or cancel the work contract without giving any reasons.
- e) In case of change in man power, all the necessary documents of the concerned like qualification, experience, photograph etc. must be submitted to the PCC, DNH & DD.
- f) Record of report to be maintained as per guideline issued by QCI for accredited EIA consultant.

6. Termination of Contract:

- a) If the agency does not wishes to continue with the contract, the same may be given in writing 3 months prior to stopping of the services.
- b) In the event of breach of any of the conditions of the Work Order at any time on the part of the agency, the contract may be terminated summarily by PCC.


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Annexure 1: List of sampling stations / locations under NWMP

Ground Water Sampling Locations

1.	Borewell at Village Somnath
2.	Borewell at Village Dunetha
3.	Borewell at Village Dabhel
4.	Borewell at Village Ringanwada
5.	Borewell at Village Bhimpore
6.	Borewell at Village Kachigam
7.	Borewell at Village Athal
8.	Borewell at Village Masat
9.	Borewell at Village Khanvel
10.	Borewell at Village Galonda
11.	Borewell at Village Piperia
12.	Borewell at Village Dadra

River Water Sampling Location

1.	Downstream of Madhuban Dam, DNH
2.	Downstream of Naroli Bridge, DNH
3.	At Lawacha Temple, Vapi, Gujarat
4.	Near Surat Beverages, Dadra, DNH
5.	At Vapi Weir, Vapi, Gujarat
6.	At Namdha Village, Vapi, Gujarat
7.	At Zari Causeway, Kachigam, Daman
8.	Downstream of Discharge point of Khemani Distillery, Daman
9.	Moti Daman Jetty, Daman
10.	Outlet of CETP Vapi, Gujarat
11.	Outlet of GHCL Bhilad, Gujarat
12.	100 m Downstream of CETP Vapi
13.	At Patalia Bridge, Kolak River
14.	At N.H. No.8, Vapi (Kolak River)

Annexure 2: Parameters for River Water & Ground Water Quality Monitoring

1. Parameters of Concern for River & Groundwater are as follows: -

(i) Simple Parameters:

Meteorological Data (Weather, approx depth of main stream/depth of water table, Humidity, Temperature, Wind speed, Wind Direction, Rain fall etc.), Sanitary Survey, General Appearance, Color, Smell, Visible effluent discharge, Human activities around station/location, Transparency and Ecological* (presence of animals like fish, insects etc. only in case of surface water bodies), Saprobity Index, Diversity Index, P/R ratio for surface water.

(ii) Regular Monitoring Parameters:

pH, O&G, Suspended Solids in mg/l, DO (% saturation), COD in mg/l, BOD in mg/l, Electrical Conductivity in $\mu\text{mhos/cm}$, Turbidity, Total Dissolved Solids, Nitrite-Nitrogen, Nitrate-Nitrogen, (NO_2+NO_3) total nitrogen in mg/l, Free Ammonia, Total residual chlorine, cyanide, fluoride, chloride, sulphate, sulphides, total hardness, dissolved phosphates, SAR, Total coliforms, Fecal Coliform (MPN/100 ml), Fecal Streptococci

(iii) Special Parameters:

Total phosphorous, TKN, Total Ammonia(NH_4+NH_3)-Nitrogen, Phenols, Surface Active Agents, Anionic detergents, Organo-chlorine pesticides, PAH, PCB and PCT, Zinc, Nickel, Copper, Hexa-valent chromium, Chromium (Total), Arsenic (Total), Lead, Cadmium, Mercury, manganese, iron, vanadium, selenium, boron, Phosphate, Sodium, Potassium, Calcium, Magnesium, Arsenic, Nickel, Total Alkalinity, P-Alkalinity, Alpha BHC, Beta BHE, Gama SHC, OP DOT, PP DOT, Alpha Endosulphan, Beta Endosulphan, Dieldrin, Carboryl (Carbamate), 2-4D, Aldrin, Malathian, Methyl Parathin, Anilophos, Chloropyriphos.

Note:

- D.O. is not applicable in case of ground waters.
- D.O. in eutrophicated waters should include measurements for diurnal variations.
- S.S. limit is applicable only during non-monsoon period.
- Fecal Coliform values should meet for 90 % times.
- Specifications offered other than bid-document will be rejected.
- The rate shall be inclusive of all applicable taxes.\

2. Prominent Locations for:

- (a) **River Water Sampling:** Treated effluent drainage, river and other such water supply resources flowing through the area.
- (b) **Ground Water Sampling:** Observation wells of Central Ground Water Board, drinking water wells, hand pumps, bore wells and other such water supply resources located in the industrial area under consideration or in the peripheral areas.

**Annexure 3 – Format Of Declaration In Lieu Of EMD / Bid Security
(To be submitted only by the eligible MSEs on the company's Letter Head)**

I / We(Insert Name and Address of Bidder) am/are submitting this declaration in lieu of Bid Security/Earnest Money Deposit for the Expression of Interest (EOI) for(Insert Title of the Tender) (Tender No.....), thereby fully accepting that I / We will be suspended and shall not be eligible to participate in the Tenders / Bids invited by Pollution Control Committee Dadra and Nagar Haveli and Daman & Diu, for a period of Two years from the date of such Suspension Orders, under the following circumstance:-

- a) If after the opening of bid, I / We withdraw or modify my / our Expression of Interest including the quoted price during the period of validity specified in the Bid Documents (including extended validity, if any) or do not accept the correction of the offer price pursuant to any arithmetical errors.

Signature of the Bidder with seal

