

POLLUTION CONTROL COMMITTEE

Dadra and Nagar Haveli & Daman and Diu

1st Floor, Udyog Bhawan, Bhenslore, Nani Daman-396210

No. PCC/DMN/Project-(Part-III)/2017-2018/ 742

Dated: 01 / 01 / 2023
02

**Notice Inviting Expression Of Interest (EOI) To Carry Out River Water & Groundwater
Quality Monitoring In The
UT Of Dadra And Nagar Haveli & Daman And Diu**

Pollution Control Committee, DNH & DD invites Expression Of Interests from agencies meeting eligibility criteria to carry out the National Water Quality Monitoring Programme in the UT 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.
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 **7.5 lakhs**, the prospective bidder must have successfully executed / completed similar services over the last three 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 shall have average annual financial turnover of **at least 30 %** of the estimated cost of related services, during the last three financial years.
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.

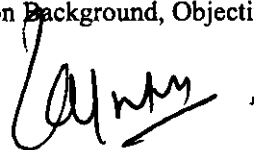
9. Authorized signatory for signing of the analysis report shall have minimum qualification of M.Sc. Chemistry / M.Sc. Environmental Science.
10. Apart from this, the Bidder shall ensure compliance of the manpower requirement as laid down in the "General Guidelines for Recognition of Environmental Laboratories 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 as annexed herewith).
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 alongwith necessary documents related to profile of the agency, work experience, certification under Environment (Protection) Act, 1986 from MoEF&CC 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 **22/02/ 2023** by **04:30 p.m.** The details on Background, Objectives and other details of the Project have been attached along with.



Member Secretary
Pollution Control Committee,
DNH & DD
Daman

**Project
on
“Sampling And Analysis For River Water Quality (Monthly) And Ground Water
Quality (Quarterly) In The UT Of Dadra & Nagar Haveli And Daman & 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 UT 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 under the Environment (Protection) Act, 1986.

- e) The interested Expert Agencies / Laboratories are required to submit the EOI alongwith necessary documents related to profile of the agency, work experience, certification under Environment (Protection) Act, 1986 from MoEF & CC, NABL Accreditation, ISO / IEC : 17025 along with OH & SMS.
- 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 would be summarily rejected by PCC, DNH & DD.
- n) At any time prior to the deadline for submission of sealed bids, the Pollution Control Committee, DNH & DD may amend the Bidding Documents by issuing addendum. Any addendum issued shall be part of the Bidding Document.
- o) The Expert Agency shall carry out the monitoring, sampling and analysis work for river water quality and ground water quality within analytical protocols.
- p) It shall be at the sole discretion of the Competent Authority, PCC to award the work to the successful bidder(s) either in whole or in parts.
- q) The list of identified locations for which monitoring, sampling and analysis work shall be carried out by the laboratory, is placed at **Annexure-1**.

- r) The list of the parameters for river water quality monitoring and ground water quality monitoring for the identified locations is given at **Annexure 2**.
- s) At the time of submission of technical & financial bids by the participating agencies, the rates for monitoring, sampling and analysis (including transportation & other miscellaneous charges) shall be required to be quoted for the following items-
 - i. Charges per sample per location for river water monitoring.
 - ii. Charges per sample per location for ground water quality monitoring.
- t) The PCC, DNH & DD will not extend the last date of submission of Expression of Interest and opening of tenders. No request for extension or request for change in specification will be entertained. The final authority for acceptance of a sealed Tender rests with the Competent Authority, Pollution Control Committee, DNH& DD who does not bind himself / herself to accept the lowest tender and is vested with the authority to reject any or all of the tenders received without assigning any reason.
- u) **Earnest Money Deposit (EMD) of Rs. 25,000/- (Rupees Twenty Five Thousand only)** is required to be submitted in the form of Demand Draft drawn in favor of "Pollution Control Committee" payable at Daman at the time of submission (enclosed along with the Technical Bid) of the EOI.
- v) The exemption for the payment of EMD will be applicable under Rule 170 of General Financial Rules (GFR) 2017 for the eligible Micro & Small Enterprise (MSEs) as defined in MSE Procurement Policy issued by Department of Micro Small and Medium Enterprises (MSME). Agency(ies) claiming for exemption of EMD shall submit a Self Declaration as per the format enclosed at **Annexure - 3**.

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.

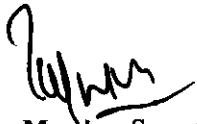
- e) No infrastructure like instrument, chemicals or others requisite like vehicle, electricity etc will be provided by the PCC, DNH & DD.
- f) The price to be given in the Tender are fixed prices, irrespective of rise in Materials prices, till the expiry of the contract period. No request in regard to increase in the price of instruments, manpower, etc will be entertained after the submission of the tender.
- 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 failure in sample collection and analysis PCC will charge a penalty twice the bill amount for a particular sample.
- f) 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.
- g) 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 month 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.


Member Secretary
Pollution Control Committee,
DNH & DD
Daman

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.

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, ($\text{NO}_2 + \text{NO}_3$) 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($\text{NH}_4 + \text{NH}_3$)-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, Carbaryl (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

Annexure 4: Self-Declaration on Non-Blacklisting

(Date)

To,

The Member Secretary
O/o Pollution Control Committee,
DNH & DD,
Daman

Sub: Sampling and Analysis of Surface and Ground Water Quality for PCC, DNH & DD.

Respected Sir / Madam,

1. In response to the Tender Document for the Sampling and Analysis of Surface and Ground Water Quality for PCC, DNH & DD, I / We hereby declare that presently our Company / firm _____ is having unblemished record and is not declared ineligible for corrupt & fraudulent practices either indefinitely or for a particular period of time by any State / Central Government / PSU / Autonomous Body.
2. We further declare that presently our Company / firm _____ is not blacklisted and not declared ineligible for reasons other than corrupt & fraudulent practices by any State / Central Government / PSU / Autonomous Body on the date of Bid Submission.
3. If this declaration is found to be incorrect then without prejudice to any other action that may be taken, my / our security may be forfeited in full and the tender if any to the extent accepted may be cancelled.

Thanking you,

Yours faithfully,

Date:

Signatures:

Name:

Place:

Seal of the Organization: