

DEENDAYAL PORT AUTHORITY



www.deendayalport.gov.in

Administrative Office Building
Post Box NO. 50
GANDHIDHAM (Kutch).
Gujarat: 370 201.
Fax: (02836) 220050
Ph.: (02836) 220038

No.EG/WK/4751/Hazira&Ghogha/285 /7.3

Dated: 07/05/2026
08

To,

Expression of Interest

Sub: Appointment of NABL and MoEF&CC Accredited Laboratory for "Preparing and monitoring of environmental monitoring and management plan for Deendayal Port Authority at Dahej-Hazira-Ghogha for a period of 3 years" - **Inviting Budgetary Offer - Reg.**

Sir/Madam,

Deendayal Port Authority (DPA) intends to appoint NABL and MoEF&CC Accredited Laboratory for "Preparing and monitoring of environmental monitoring and management plan for Deendayal Port Authority at Dahej-Hazira-Ghogha for a period of 3 years"

You are requested to submit your Expression (EOI) along with a budgetary offer (Lump - sum charges) for the subject work, based on the tentative scope of work enclosed herewith.

The rates quoted shall be inclusive of all taxes and duties required for performing the enclosed Scope of Work and exclusive of GST. The applicable GST shall be shown separately and shall not be considered for evaluation purposes.

Your Expression of interest along with a budgetary offer for the above work, should reach the following address on or before 19/05/2026.

Address:

Office of XEN (EMC),
Ground Floor, A.O. Building, Annexe
Deendayal Port Authority,
Gandhidham, Kutch -370201
Email ID: kptemc@gmail.com
Mo. No. 09724301528

Thanking you,

Yours faithfully,

XEN (EMC)
Deendayal Port Authority

Enclosed: - As above

Environmental Monitoring Parameters (Tentative) as per CPCB norms & Tentative scope of work.

1. **Environmental Monitoring Parameters (Tentative)** required for various locations at Dahej (Dist. Bharuch), Hazira (Dist. Surat) Ghogha (Dist. Bhavnagar).

Sr. No	Parameter	No. of locations	Frequency	Parameters	Instruments
1.	Ambient air quality monitoring (4 locations)	1 at Ghogha, 2 at Hazira and 1 at Dahej	Twice a week	PM10, PM2.5, Sulphur dioxide, Oxides of nitrogen, Carbon Monoxide.	Respirable Dust Sampler (RDS) conforming to IS:5182 (Part-23): 2006. Fine Particulate Sampler (FPS) conforming to IS:5182 (Part-24): 2019. Gaseous attachment conforming to IS:5182 (Part-2):2001. Gaseous attachment conforming to IS:5182 (Part-6): 2006. Sensor-based Instrument.
			Once a month	Hydrocarbons, Benzene, Volatile Organic Compound, Non-methane VOC	Low flow air sampler conforming to IS:5182 (Part-11): 2006. Low flow air sampler conforming to IS:5182 (Part-11): 2006. Aluminized plastic bags with on/off valve conforming to IS 5182 (Part 17):1979.

Sr. No	Parameter	No. of locations	Frequency	Parameters	Instruments
					Aluminized plastic bags with on/off valve conforming to IS 5182 (Part 17):1979.
2.	Drinking water monitoring (3 locations)	1 at Ghogha 1 at Hazira and 1 at Dahej	Once a month	Odor, Color, pH, Turbidity, TDS, TSS, Conductivity, Chloride, Calcium as Ca, Magnesium, Total hardness, Sulphate as SO ₄ , Nitrate as NO ₃ , Nitrite as NO ₂ , Fluoride as F, Sodium as Na, Iron as Fe, Potassium as K, Manganese, Total chromium, Hexavalent chromium, Copper, Cadmium, Arsenic, Lead, Zinc, Mercury, Salinity, Free residual chlorine, Microbiological (MPN)	For drinking water- Titration apparatus, pH meter and conductivity meter
3.	Noise level monitoring (4 locations)	1 at Ghogha 2 at Hazira and 1 at Dahej	24 hrs. period once a month	Leq (Day) & (Night)	Noise Meter
4.	Soil quality monitoring (3 locations)	1 at Ghogha 1 at Hazira and 1 at Dahej	Once a month	Total Organic Matter, Organic Carbon, Inorganic Phosphate, Texture, pH, Conductivity, Particle size	For sediment sample collection - Van veen grab sampler

Sr. No	Parameter	No. of locations	Frequency	Parameters	Instruments
				distribution & Silt content, SAR, Water holding capacity, Aluminium, Chromium, Nickel, Copper, Zinc, Cadmium, Lead, Arsenic, Mercury	
5.	Meteorological data monitoring (3 locations)	1 at Ghogha, 1 at Hazira and 1 at Dahej	Daily	Wind speed, Wind direction, Rainfall, Humidity, Temperature, Solar radiation	Automatic Weather Monitoring Station (Envirotech WM280)
6.	DG emissions (3 locations)	1 at Ghogha, 1 at Hazira and 1 at Dahej	Once a month	Particulate Matter, Sulphur dioxide, Oxides of nitrogen, Carbon monoxide, Carbon dioxide	Stack Monitoring Kit. Sensor based Flue Gas Analyser (Make: TESTO, Model 350)
7.	Marine water quality (5 locations)	2 at Ghogha, 2 at Hazira and 1 at Dahej	Once a month	Odor, Color, pH, Turbidity, TDS, TSS, Conductivity, DO, Particulate organic carbon, COD, BOD, Silica, Phosphate, Sulphate as SO ₄ ⁻ , Nitrate as NO ₃ , Nitrite as NO ₂ , Sodium as Na, Potassium as K, Manganese, Iron as Fe, Total chromium, Hexavalent chromium, Copper, Cadmium, Arsenic, Lead, Zinc, Mercury, Oil & grease,	Conductivity Meter, Titration Apparatus, pH meter, Color comparator, Heating mantle & odour bottle, Nephlo Turbidity Meter, Vacuum Pump with Filtration Assembly and Oven, TOC analyser, Titration Apparatus plus Digester, BOD Incubator plus Titration apparatus, UV-Visible Spectrophotometer, Flame photometer, ICP-OES, UV-Visible Spectrophotometer, ICP-OES, Soxhlet Assembly,

Sr. No	Parameter	No. of locations	Frequency	Parameters	Instruments
				Floating material (scum), Microbiological (MPN), Density	Soxhlet Assembly, LAF/Incubator Niskin sampler
8.	Marine water quality for biological monitoring (5 locations)	2 at Ghogha 2 at Hazira and 1 at Dahej	Once a month	Chlorophyll-a, Pheophytin, Productivity (Net & Gross), Biomass; Relative abundance, species composition and diversity of phytoplankton; Relative abundance, species composition and diversity of zooplankton; Relative abundance, species composition and diversity of benthic invertebrates; (Meio, Micro and Macro benthos), Particulate oxidizable organic carbon, Secchi disk depth.	Niskin sampler Van veen Grab sampler UV- Visible Spectrophotometer Plankton net Secchi disc Vaccum Pump with Filtration Assembly Mortar and Pestle Compound Microscope Centrifuge
9.	Sediments quality (5 locations)	2 at Ghogha, 2 at Hazira and 1 at Dahej	Once a month	Texture, Organic Matter, Inorganic Phosphate, Silica, Phosphate, Sulphate, Nitrite, Nitrate, Calcium, Magnesium, Sodium, Potassium, Aluminium, Copper, Chromium, Nickel, Zinc, Cadmium, Lead, Arsenic, Mercury	Van veen Grab sampler

2. Tentative Scope of work: -

- I. To review the activity and fix the monitoring network within the impacted region in and around the Ro-Ro/Ro-Pax facilities at Dahej, Hazira and Ghogha in view of the developmental project.
- II. To assess the ambient air quality (gases and particulate matter).
- III. To assess the DG stack emissions (gases and particulate matter).
- IV. To assess the Meteorological parameters (Wind & temperature profile, precipitation, solar radiation).
- V. To assess Drinking water quality (Physical, Chemical and Biological parameters).
- VI. To assess Soil quality (Physical and Chemical parameters).
- VII. To assess the marine environment quality (Physicochemical characteristics of water, sediment and ecological characteristics).
- VIII. To monitor parameter trends by comparing the data collected over a specified period.
- IX. To interpret the results and check compliance with stipulated standards.
- X. To suggest mitigation measures and recommend future action plans, based on the findings of this study.
- XI. To formulate and finalize a detailed environmental monitoring plan in consultation with the Employer, for implementation including number of sampling, frequency, locations of stations and other relevant technical details.
- XII. Based on the monthly monitoring results, Environmental Monitoring and Management Plan may be suggested comprising mitigation measures for each environmental matrix.

3. The requirement of monitoring team along with qualification and experience: -

Sr. No	Post	No. of Posts	Qualification	Experience
1.	Manager (Sr. Project scientist.)	01	M. Sc (Envi-Sci)/BE/ME (Env) or Equivalent	Five Year
2.	Marine Biologist (Sr. Project Scientist)	01	M. Sc in Marine, Botany, Zoology, or Equivalent	Five Year
3.	Environment Expert (Project Scientist)	01	M. Sc (Envi-Sci)/BE/ME (Env) or Equivalent	Five Year
4.	Research Engineers/Scientists (Project Scientists)	01	B. tech/ M. Sc. Environmental or Equivalent	Five Year
5.	Lab Assistant	06	B. Sc (Environmental Sci.) Diploma (Env. Or Equivalent.	Two Year

6.	Unskilled persons	06	Nil	Not Necessary
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Obligations of Deendayal Port Authority:

- 1) To provide Electric supply for equipment.
- 2) Other minor support from DPA.

EOI PRICE BID

Name of work: Appointment of NABL and MoEF&CC Accredited Laboratory for "Preparing and monitoring of environmental monitoring and management plan for Deendayal Port Authority at Dahej-Hazira-Ghogha for a period of 3 years"

Description	Amount In Rs.	
	In fig.	In words
"Preparing and monitoring of environmental monitoring and management plan for Deendayal Port Authority at Dahej-Hazira-Ghogha for a period of 3 years"		

Notes:

1. The aforesaid professional fees, payable to the Consultant in accordance with the Financial Proposal, shall cover the costs of telephone/fax, photocopying, couriers and postage, collections and deliveries, traveling expense, accommodation, stationery, costs of support staff and counsel fee, overheads, etc., including all taxes and duties except GST. No additional charges in respect thereof shall be due or payable. The fees shall be limited to the amounts indicated above and no escalation on any account will be payable on the above amounts.
2. The bidding NABL and MoEF&CC Accredited approved laboratory or organization to have the mentioned tentative instruments at their respective establishment.
3. All payments shall be made in Indian Rupees and shall be subject to applicable Indian withholding taxes if any.
4. GST will be paid extra as applicable by the Authority subject to submission of Tax Invoice.
5. Item rate to be filled in the amount column above.