

E-Tender Name: Selection of Service provider for Monitoring, sampling and Analysis of various environment parameters for CEPI in designated regions in Maharashtra State.

Pre-BID meeting Date: 17/07/2019.

Time :11.30 am

Venue : Conference Hall, Maharashtra Pollution Control Board, , 4th Floor, Kalparatu Point, Opp. Cine Planet Cinema, Sion Circle, Sion (E), Mumbai –400022

The Pre-BID meeting for the E-Tender No.977 “Selection of Service provider for Monitoring, sampling and Analysis of various environment parameters for CEPI in designated regions in Maharashtra State” was held on 17/07/2019 at above mentioned venue, following E-tender committee member & Bidder;

Tender Committee Member:

1. Joint Director (Air Pollution Control), MPCB & Chairman of Committee.
2. Joint Director (Water Pollution Control), MPCB, & member of Committee
3. Shri. Shamkumar Patil, Chief Account Officer, MPCB & Member of Committee.
4. Mrs. Netra Chaphekar, Law Officer, MPCB & Member of Committee.
5. Mr. S.C. Kollur, Scientific Advisor. JD(APC) Section and member Convener

Bidder:

1. Mrs. Ameera Musthafa, Environment Officer, M/s. Ashwamedh Engineers & Consultants, Nashik.
2. Mr. Raghunath Mahabal, M/s. Mahabal Enviro Engineers Pvt. Ltd, Thane.
3. Mr. Sachin S. Gore, M/s. Mahabal Enviro Engineers Pvt. Ltd, Thane.
4. Mr. Nikanth Dalvi, Asst. Manager, M/s. Enviro Policy Research India Pvt. Ltd, Thane.
5. Mr. Amit Badlani, Manging Director, Go Green Mechanisms Pvt. Ltd., Ahmedabad.

Member convener, MPCB well come all participant and informed that, Board has not received any pre-bid queries. Further requested bidder to submit their query regarding tender document if any before committee. The above mentioned Bidder at Sr. No.1 to 4 submitted that, they have not any query regarding tender document and they satisfied with document.

Bidder at above Sr. No.5 Mr. Amit Badlani, Managing Director, Go Green Mechanisms Pvt. Ltd., Ahmedabad has requested for clarification on some point and Committee has clarify as below;

Corrigendum-1

Corrigendum and responses to the queries from the Bidder during Pre-BID meeting held on 17/07/2019.

Sr. No	RFP page No	RFP Clause No.	Description in RFP	Clarification sough	MPCB Response
1	14	7.1 (3)	The bidder should have ISO 14001 and NABL certification valid as on date of bidding.	ISO 14000 should read as ISO 9000 and ISO 18000	The clause shall be read as "The bidder should have valid ISO 9001 certification and valid NABL Accreditation".
2	17	7.4.1	EPA (MOEF) approved Testing and analysing equipment owned by the bidder with calibration certificate not earlier than 31 st December, 2018. (3 marks for ONE set in each CPA).	Page no.17 of section 2 point C requires calibration certificates not earlier than 31st Dec 2018. This should ideally read as 31st July 2018 as per the current date of the tender period.	The clause shall be read as. EPA (MoEFCC) approved Testing and analysing equipment owned by the bidder with calibration certificate not earlier than 31 st July,2018. (2 marks for ONE set in each CPA/SPA/PIA). The maximum marks should be read as 18.
			Total of section 2 summation is wrong it should be total 45 and not 40		It shall be read as. "The maximum marks should be read as 45, it is total of 2(A), 2(B), 2(C) & 2(D).)
3	17	7.4.1	Criteria for Technical Evaluation		Revised Table attached below
4	35	Annexure-4	Basic rate for 5 regions for scope in Annexure-2 in Rs.		Basic rate for 9 regions (CPAs, SPAs & PIA included) for scope in Annexure-2 in Rs. IT MAY BE NOTED THAT THE BIDDER HAVE TO SUBMIT THEIR PRICE BIDS AS A SINGLE RATE FOR NINE (9) REGIONS MENTIONED IN ANNEXURE-1 FOR

					THE SCOPE MENTIONED IN ANNEXURE-2
5	32	Annexure-2	VOCs	VOCs- Which are there has not been clarified	Parameters testing requirement included is attached herewith

The Committee also decided that, the above changes/additions are the parts of Original E-TenderNo.977 documents and are binding to both i.e MPCB & Bidder.

The query raised after Pre-Bidding dtd.17/07/2019 shall not be consider for E-tender Bidding process.

The meeting ended with vote of thanks to the Chair.

Revised Clause 7.4.1

Sr. No	Criteria	Graded Marks	Max. Marks	Testimonial to be presented
1	Financial Capability		5	
a	Constitution of company			Certificate of registration, incorporation, shop act
	Proprietary or Partnership	1		
	Private limited	3		
	Public limited	5		
2	Organisation's Capability		45	
A	Organisation Certifications	10		
i	ISO 9001 and OHSAS 18000 certification	5		Valid Certificates
ii	Valid NABL accreditation	5		
B	Manpower Certifications**	12		
i	Min 15 supervisor grade resources (refer Annex 3, pt 5 for qualifications)	4		Self-attested list of Certified resources to be attached on Company letterhead with experience and qualification
ii	Min 30 Number of assistant grade resources (refer Annex 3, pt 5 for qualifications)	4		
iii	Min 30 Number of technician grade resources for (refer Annex 3, pt 5 for qualifications)	4		
C	EPA (MOEF) approved Testing and analysing equipment owned by the bidder with calibration certificate not earlier than 31 st December 2018 (2 marks for ONE set in each CPA/SPA/PIA)	18		Invoice of Purchase of equipment with latest calibration certificate
D	Number of CPAs in which the bidder has laboratory setup (mentioned in Annexure -1)	5		Self-Attested List of laboratories with valid shop act with Address, telephone Number and Contact Person
	Regions = 1	2		
	Regions < 6 but > 3	3		
	Regions ≥ 6	5		
3	Past Performance:		30	
A	Completed Orders for Stack / Ambient Air quality, Surface water, Ground water monitoring for value > Rs. 25 Lacs in 3 years ending as on 31st March 2019)	20		Self-declared List and Copies of the orders
i	Orders from Govt. / Semi Govt. organisations (2 marks per order)	14		
ii	Orders from Private organisations (2 marks per order)	6		
B	Results from participation in AQC conducted by CPCB for FY 2017 – 18 and FY 2016 – 17 with average rating	10		CPCB documents for AQC
i	Avg. Ratings 100% to 80%	10		
ii	Avg. Ratings 79.99% to 70%	5		
iii	Avg. Rating < 70%	0		
4	Presentation on execution methodology		20	Presentation by the proposed Project Manager
TOTAL MARKS			100	

ANNEXURE – 4 (page No.35)

Price Bid Format - (Part A)

Note: Commercial Offer has to be entered online only. An Online Form, similar to the Commercial format given below, will be available to the bidders in Commercial Envelope (C1) during Online Bid Preparation stage where bidders would quote their offer. Additionally the bidders should print this format and fill with the rates asked, sign and seal the document and upload the same as a part of Envelope 2 submission)

The bidders should strictly follow the format given below for submitting the price –bids

Sr. No.	Monitoring, Sampling, Analysis for period	Basic rate for 9 (5 CPA+3 SPA+1 PIA) regions for Scope in Annexure-2 in Rs.	Taxes in Rs.	Amount in Rs.
		A	B	T = A + B
1	December 19 - February 20			
2	April 20 - June 20			
3	December 20 - February 21			
4	April 21 - June 21			
5	December 21 - February 22			
6	April 22 - June 22			
GRAND TOTAL				

Grand Total (In words) : Rs. _____

Note:

1. Prices quoted are for the scope and SLA as mentioned in Annexure 2 and 3 for all CPAs ,SPAs & PIA and for a period of 3 years
2. The prices are valid for 180 days from the date of bid.

For and on behalf of:

Signature (Authorized Representative and Signatory of the Bidder):

Name of the Person:

Designation:

Date:

A. Ambient air quality monitoring for following parameters

- i. SO₂, NO₂, PM₁₀, PM_{2.5}, Lead and Ammonia (for 24 hourly average monitoring values)
- ii. O₃, CO (for 1 hrly average and 8 hrly average)
- iii. Benzene, Benzo (a) Pyrene, Arsenic & Nickel (for 24 hrly average value).

B. Water quality data of-

- a) Prominent surface water bodies such as outfalls of CETPS, ETPS, FETP, treated effluent drainage, river, canal, ponds, lakes and other such water supply resources flowing through the area or flowing adjoining the CPA.
- b) Ground water quality data of prominent ground water sources such as observation well of central ground water board, drinking water wells, hand pumps, bore wells another such water supply resources located in the industrial cluster/ area under consideration or in the peripheral areas.

Basic water quality requirements (for surface water and ground water both) are as follows :

- i) **Simple parameters-**
Sanitary survey, general appearance, color, smell, transparency and ecological* (presence of animals like fish, insects etc. only in case of surface waterbodies).
- 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 μ mhos/cm, total dissolved solids, nitrite-nitrogen, nitrate - nitrogen, (NO₂+NO₃) 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/100ml).
- iii) **Special parameters-**
Total phosphorous, TKN, Total ammonia (NH₄+NH₃)- NITROGEN, PHENOLS, SURFACE ACTIVE AGENTS, ANIONIC DETERGENTS, ORGANIC CHLORINE PESTICIDES, PAH, PCB, AND PCT, Zinc, Nickel, Copper, Hexavalent chromium, chromium total, arsenic(total, lead, cadmium, mercury, manganese, iron, vanadium, selenium, boron.
- iv) **Bio-assay(zebra fish) test-**for specified samples only.

Note:

- DO is not applicable in case of ground waters.
- DO in eutrophicated waters should include measurements for diurnal variations.
- SS limit is applicable only during non-monsoon period.
- Fecal coliform values should meet for 90% times.
- Static bio-assay method may be adopted.

Appendix 1

Group B: Probable human carcinogens

- Acrylamide
- Adriamycin
- Androgenic (anabolic) steroids
- Aristolochic acids (naturally occurring mixtures of)
- Azacitidine
- Bischloroethyl nitrosourea (BCNU)
- Captafol
- Chloramphenicol
- α -Chlorinated toluenes (benzal chloride, benzotrichloride, benzyl chloride) and benzoyl chloride (combined exposures)
- 1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea (CCNU)
- 4-Chloro-ortho-toluidine
- Chlorozotocin
- Cisplatin
- Clonorchis sinensis (infection with)
- Cyclopenta[cd]pyrene
- Dibenzo[a,h]anthracene
- Dibenzo[a,l]pyrene
- Diethyl sulfate
- Dimethylcarbamoyl chloride
- 1,2-Dimethylhydrazine
- Dimethyl sulfate
- Epichlorohydrin
- Ethyl carbamate (urethane)
- Ethylene dibromide
- N-Ethyl-N-nitrosourea
- Etoposide
- Glycidol
- Indium phosphide
- IQ (2-Amino-3-methylimidazo[4,5-f]quinoline)
- Kaposi's sarcoma herpesvirus/human herpesvirus 8
- Lead compounds, inorganic
- 5-Methoxypsoralen
- Methyl methanesulfonate
- N-Methyl-N'-nitro-N-nitrosoguanidine (MNNG)
- N-Methyl-N-nitrosourea
- Nitrate or nitrite (ingested) under conditions that result in endogenous nitrosation
- Nitrogen mustard
- N-Nitrosodiethylamine
- N-Nitrosodimethylamine
- Phenacetin
- Procarbazine hydrochloride
- Styrene-7,8-oxide
- Teniposide
- Tetrachloroethylene
- Trichloroethylene
- 1,2,3-Trichloropropane
- Tris(2,3-dibromopropyl) phosphate
- Ultraviolet radiation A
- Ultraviolet radiation B
- Ultraviolet radiation C
- Urethane (ethyl carbamate)

Criteria for Comprehensive Environmental Assessment of Industrial Clusters

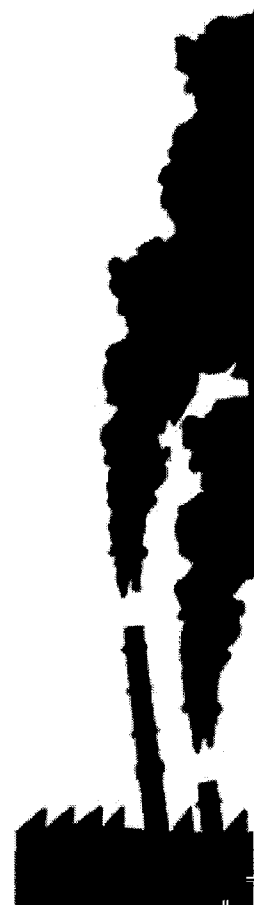
- Vinyl bromide (Note: For practical purposes, vinyl bromide should be considered to act similarly to the human carcinogen vinyl chloride.)
- Vinyl fluoride (Note: For practical purposes, vinyl fluoride should be considered to act similarly to the human carcinogen vinyl chloride)
- PM_{10} and $PM_{2.5}$
- Non-arsenical insecticides (occupational exposures in spraying and application)
- Polychlorinated biphenyls

Mixtures

- Creosotes
- Diesel engine exhaust
- High-temperature frying, emissions from
- Hot mate
- Household combustion of biomass fuel (primarily wood), indoor emissions
- Art glass, glass containers and pressed ware (manufacture)
- Carbon electrode manufacture
- Cobalt metal with tungsten carbide
- Hairdresser or barber (occupational exposure)
- Petroleum refining (occupational exposures)
- Shiftwork that involves circadian disruption
- Sunlamps and sunbeds (use of)

Exposure circumstances

Source International Agency for Research on Cancer – ‘Probably carcinogenic to humans’ (Group 2A as per USEPA)



Appendix 2

Group C: Known human carcinogens

- 4-Aminobiphenyl
- Arsenic and arsenic compounds
- Asbestos
- Azathioprine
- Benzene
- Benzidine
- Benzo[a]pyrene
- Beryllium and beryllium compounds
- N,N-Bis(2-chloroethyl)-2-naphthylamine (Chlornaphazine)
- Bis(chloromethyl)ether and chloromethyl methyl ether (technical-grade)
- 1,3-Butadiene
- 1,4-Butanediol dimethanesulfonate (Busulphan; Myleran)
- Cadmium and cadmium compounds
- Chlorambucil
- 1-(2-Chloroethyl)-3-(4-methylcyclohexyl)-1-nitrosourea (Methyl-CCNU; Semustine)
- Chromium[VI]
- Cyclosporin
- Cyclophosphamide
- Diethylstilbestrol
- Dyes metabolized to benzidine
- Epstein-Barr virus
- Erionite
- Estrogen-progestogen menopausal therapy (combined)
- Estrogen-progestogen oral contraceptives (combined)
- Estrogens
- Estrogens, steroidal
- Estrogen therapy, postmenopausal
- Ethanol in alcoholic beverages
- Ethylene oxide
- Etoposide in combination with cisplatin and bleomycin
- Formaldehyde
- Gallium arsenide
- [Gamma Radiation: see X- and Gamma (g)-Radiation]
- Helicobacter pylori (infection with)
- Hepatitis B virus (chronic infection with)
- Hepatitis C virus (chronic infection with)
- Human immunodeficiency virus type 1 (infection with)
- Human papillomavirus types 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59 and 66 (Note: The HPV types that have been classified as carcinogenic to humans can differ by an order of magnitude in risk for cervical cancer)
- Human T-cell lymphotropic virus type I
- Melphalan
- 8-Methoxypsoralen (Methoxsalen) plus ultraviolet A radiation
- Methylenebis(chloroaniline) (MOCA)

Criteria for Comprehensive Environmental Assessment of Industrial Clusters

- MOPP and other combined chemotherapy including alkylating agents
- Mustard gas (Sulphur mustard)
- 2-Naphthylamine
- Neutrons
- Nickel compounds
- N'-Nitrosornicotine (NNN) and 4-(N-Nitrosomethylamino)-1-(3-pyridyl)-1-butanone (NNK) *Opisthorchis viverrini* (infection with)
- [Oral contraceptives, combined estrogen-progestogen: see Estrogen-progestogen oral contraceptives (combined)]
- Oral contraceptives, sequential
- Phosphorus-32, as phosphate
- Plutonium-239 and its decay products (may contain plutonium-240 and other isotopes), as aerosols
- Radioiodines, short-lived isotopes, including iodine-131, from atomic reactor accidents and nuclear weapons detonation (exposure during childhood)
- Radionuclides, a-particle-emitting, internally deposited (Note: Specific radionuclides for which there is sufficient evidence for carcinogenicity to humans are also listed individually as Group 1 agents)
- Radionuclides, b-particle-emitting, internally deposited (Note: Specific radionuclides for which there is sufficient evidence for carcinogenicity to humans are also listed individually as Group 1 agents)
- Radium-224 and its decay products
- Radium-226 and its decay products
- Radium-228 and its decay products
- Radon-222 and its decay products
- *Schistosoma haematobium* (infection with)
- Silica, crystalline (inhaled in the form of quartz or cristobalite from occupational sources)
- Solar radiation
- Talc containing asbestiform fibres
- Tamoxifen (Note: There is also conclusive evidence that tamoxifen reduces the risk of contralateral breast cancer)
- 2,3,7,8-Tetrachlorodibenzo-para-dioxin
- Thiotepa
- Thorium-232 and its decay products, administered intravenously as a colloidal dispersion of thorium-232 dioxide
- ortho-Toluidine
- Treosulfan
- Vinyl chloride
- X- and Gamma (g)-radiation

Mixtures

- Aflatoxins (naturally occurring mixtures)
- Alcoholic beverages
- Areca nut
- Betel quid with tobacco
- Betel quid without tobacco
- Coal-tar pitches
- Coal-tars
- Herbal remedies containing plant species of the genus *Aristolochia*
- Household combustion of coal, indoor emissions
- Mineral oils, untreated and mildly treated
- Phenacetin, analgesic mixtures
- Salted fish (Chinese-style)
- Shale-oils
- Soots
- Tobacco, smokeless
- Wood dust