



केन्द्रीय प्रदूषण नियंत्रण बोर्ड  
CENTRAL POLLUTION CONTROL BOARD  
(पर्यावरण एवं वन मंत्रालय, भारत सरकार)  
(MINISTRY OF ENVIRONMENT & FORESTS, GOVT. OF INDIA)

No. B-29012/ESS/CPA/2014-15

November 27, 2014

To

As per list enclosed.  
( Annexure 1)

**Sub : Notice Inviting Tender (Technical Bid and Financial Bid) for Project on 'Monitoring, Sampling and Analysis for ambient air quality, surface water quality and ground water quality in the 78 Identified Polluted Industrial Areas (PIAs)'**

Sir,

This has reference to submission of 'Expression of Interest' by you for the project as cited in the subject.

In this context, you are hereby requested to submit the technical bid and financial bid in separate sealed covers alongwith necessary Earnest Money Deposit of Rs. 10.00 Lacs only (Rs. Ten Lacs only) and attested copies of the documents related to profile of the agency, work experience, details of technical & scientific personnel, infrastructure facilities available with the agency, certification of the laboratory under Environment (Protection) Act, 1986 from MoEF and Accreditation under NABL. The envelopes containing the bids should also be sealed and super-scribed the name of the project in capital letters. The details on Background, Objectives and Terms of Reference of the Project, are attached herewith ( Annexure 2) .

The proposal may be submitted to "The Member Secretary, Central Pollution Control Board, 'Parivesh Bhawan', CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032" and the last date of submission is 19.12.2014, by 4.30 PM. The proposals shall be opened at 5.00 PM on 19.12.2014. For any kind of clarification in the matter, the undersigned may be contacted.

Encl : As above

Yours faithfully

[N.K. Gupta]  
Incharge - ESS

'परिवेश भवन' पूर्वी अर्जुन नगर, दिल्ली-110032

'Parivesh Bhawan', East Arjun Nagar, Delhi - 110032

दूरभाष / Tel. : 43102030, फैक्स / Fax : 22305793, 22307078, 22307079, 22301932, 22304948

ई-मेल / e-mail : cpcb@nic.in वेबसाईट / Website : www.cpcb.nic.in

**Annexure 1**

<b>Sl. No.</b>	<b>Name of the Agency</b>
<b>1</b>	M/s. ABC Techno Labs India Pvt. Ltd. No. 2, 2 <sup>nd</sup> Street, Thangam Colony, Anna Nagar West Chennai- 600 040
<b>2</b>	M/s. Bhagvathi Ana Labs Pvt Ltd. 8-2-248/5/A, Venkateswara Hills Road No. 3, Banjara Hills Hyderabad 500 034
<b>3</b>	M/s. Hubert Enviro Care Systems (P) Ltd. 18, 92 <sup>nd</sup> Street, Ashok Nagar, Chennai 600 083
<b>4</b>	M/s. SGS India Pvt. Ltd. 250, 267, Udyog Vihar Phase-IV, Gurgaon-122015
<b>5</b>	M/s. Shriram Institute for Industrial Research 19, University Road, Delhi - 110007
<b>6</b>	M/s. Spectro Analytical Labs Ltd. E-41, Okhl Industrial Area, Phase-I, New Delhi - 110020

**Project**  
**on**  
**'Monitoring, Sampling and Analysis for ambient air quality, surface water quality and ground water quality in the 78 Identified Polluted Industrial Areas (PIAs)'**

## **1. Background :**

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

During 2009-10, Central Pollution Control Board (CPCB) in collaboration with Indian Institute of Technology (IIT), Delhi and 15 other reputed institutes formulated the criteria for Comprehensive Environmental Pollution Index (CEPI) and 88 prominent industrial clusters were selected in consultation with the Ministry of Environment & Forests for CEPI analysis. Out of these 88 prominent industrial clusters, 43 industrial clusters in 16 States having CEPI score of 70 and above are identified as Critically Polluted Areas (CPAs). Further, 32 industrial clusters with CEPI scores between 60 & 70 are categorized as severely polluted areas (SPAs).

As per the direction of MoEF, remedial Action Plans for the identified 43 critically 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 status of environmental quality, monitoring is being carried out by CPCB through reputed Environmental laboratories periodically and CEPI is being assessed based on the recorded monitoring data in the 43 CPAs. The evaluated CEPI reflects the environmental quality of the 43 CPAs and also serves as a yardstick to assess the progress achieved in the implementation of action plans. So far, three rounds of monitoring have been undertaken by CPCB (2009, 2011, 2013) based on which CEPI assessment was done.

Further, MoEF vide O. M. dated September 17, 2013 directed CPCB to undertake environmental quality monitoring in CPAs through a third party on biennial basis (once in 2 years) for computing CEPI. Accordingly, environmental quality monitoring in 10 CPAs namely, Ankleshwar, Ghaziabad, Indore, Jharsuguda, Ludhiana, Panipat, Patancheru - Bollaram, Singrauli, Vatva and Vapi has been undertaken by CPCB during 2013-14 and monitoring in remaining 78 polluted industrial areas (33 CPAs + 32 SPAs + 13 polluted areas), will be undertaken by CPCB during 2014-15. For the purpose, Expression of Interests (EOIs) were invited by CPCB from reputed environmental laboratories through advertisement in national newspapers. Prior to the scheduled deadline for submission of EOIs (i.e., July 10, 2014), 15 proposals have been received by CPCB, which were examined by the Scientific & Technical Evaluation Committee of CPCB and the shortlisted agencies are being requested to submit the technical and financial bids in line with the terms and conditions stipulated in the subsequent paras of this document.

## 2. Objectives

**Monitoring of 78 identified Polluted industrial areas** in terms of air, surface water and ground water quality parameters which could be used for assessment of the environmental quality of the area and for further course of action.

## 3. Terms of Reference

### Clause 1. Name of the Project:

The name of the project is “**Monitoring, Sampling and Analysis for ambient air quality, surface water quality and ground water quality in the 78 Identified Polluted Industrial Areas (PIAs)**”.

### Clause 2. Sponsoring Agency:

The sponsoring agency is Central Pollution Control Board (CPCB), Delhi

### Clause 3. Terms and Conditions:

- i. The Expert Agency shall carry out the monitoring, sampling and analysis work for ambient air quality, Surface water quality and ground water quality monitoring in **the 78 Identified Polluted Industrial Areas (PIAs)** during January-February , 2015 or during the period as mutually agreed upon.
- ii. The zone-wise list of 78 identified polluted industrial areas & tentative nos. of samples for which monitoring, sampling and analysis work shall be carried out by the laboratory, is placed at **Annexure-1**.
- iii. The Expert Agency may submit the zone-wise proposals to cover either all the 78 PIAs or all the PIAs falling under any specific zone. However, in the zone(s) selected, complete monitoring (air quality, surface water quality and ground water quality) for all the designated parameters shall be performed in all the PIAs falling under that specific zone(s). Also, the no(s). of zones proposed to be covered should be compatible with the infrastructure facilities, laboratory facilities and man power available with the agency.
- iv. It shall be at the sole discretion of the Competent Authority, CPCB to award the work either in parts or as a whole.
- v. The tentative list of the parameters for ambient air quality monitoring, surface water quality monitoring and ground water quality monitoring, is given in **Annexure 2**.
- vi. **Documentary Proofs** in respect of following are desired:

- **Specific work experience:** List the projects of similar nature clearly indicating the starting and completion date with documentary evidence.
  - **Project work plan:** Clearly indicate the manpower, time and other resources allocation required for execution of the project in the stipulated time frame.
  - **Parameter details:** List the air/ water quality parameters which can be analyzed in-house and those covered under NABL accreditation.
  - Detailed list of personnel proposed to be deployed for the assignment alongwith their Curriculum-Vitae, outlining specifically the qualifications & experience of each person relevant to this project and each member's role and responsibility. A broad break-up of the no. of personnel to be used in sampling/monitoring, analysis and transportation of samples from the site to laboratory.
  - Detailed list of infrastructure /laboratory facilities available with the Agency for monitoring / analysis.
  - Attested copies of Lab certification by NABL and EPA.
  - Details of parameter-wise method of analysis alongwith type of instrument (Range and Min. Detection limit) to be used for analytical measurements may also be provided as Annexure-3.
  - The instruments proposed to be used by the Agency(ies) for monitoring & analysis should be of advanced level & should have the detection limit much below the general standards so as to check the compliance status of the environmental quality of the area monitored.
- vii. The proposal (technical & financial bids) should be accompanied with an EMD (earnest money deposit) of Rs. 10,00,000 (Rs. Ten Lacs only) in the form of Demand Draft in favour of Central Pollution Control Board, Delhi. That EMD should be valid for a period of three months. The EMD of unsuccessful bidders shall be returned after award of work to successful bidder(s). The EMD of successful bidder(s) shall be returned after completion of the project & submission of the satisfactory report, however no interest will be paid. Any proposal received without EMD will be rejected summarily.
- viii. The evaluation of the 'Technical Bid' shall be undertaken based on the following criteria-

Sl. No.	Criteria	Total Marks	Overall Qualifying Marks required
1	Specific Work Experience	20	Overall score of the Agency should be more than 75 out of 100.
2	Project Execution Work Plan	15	
3	Nos. of technical / scientific staff, their qualifications and experience	20	
4	Own laboratory and Certification of the laboratory under E(P) Act-1986	25	
5	Nos. of parameters having NABL Accreditation	20	

The details on marking system to be followed for evaluation of 'Technical Bids' are attached at Annexure 4.

It may also be noted that a post-bid meeting will be held at CPCB Head office, Delhi (with prior intimation) where the short-listed agencies for submission of technical and financial bids shall make a power-point presentation on the execution of the project including manpower management & time-targeted plans. This presentation would carry weightage of 15 marks as referred at Sl.No. 2 of above Table.

- ix. Agency (ies) having overall score more than 75 for technical bid, will only be considered for financial bid(s).
- x. The rates for monitoring, sampling and analysis (including transportation & all other miscellaneous charges) should be clearly quoted for the following items-
  - a. Zone-wise Charges per sample per location for ambient air quality monitoring for the parameters listed in Part-A of Annexure-2.
  - b. Zone-wise Charges per sample per location for surface water quality monitoring for the parameters listed in Part-B of Annexure-2.
  - c. Zone-wise Charges per sample per location for ground water quality monitoring for the parameters listed in Part-B of Annexure-2.
  - d. Zone-wise Charges per sample per location for bio-assay test. Bio-assay test will be conducted on selected samples (to be informed by CPCB).

The rates should be clearly quoted both in figures and words and there should not be any variation in the same. In case of any variation, the rates quoted in figures shall be treated as final.

- xi. Service tax shall be paid as per the applicable norms and TDS deducted as per applicable rules.
- xii. **Procedure for Ranking:** For the purpose of ranking of bids called on two bids basis, weight age shall be given in the ratio of 65:35 to technical bid and financial bid respectively.
- xiii. The Executing agency shall carry out the monitoring, sampling and analysis works as per the procedure and norms stipulated in 'Standard Methods'.
- xiv. At each of the PIAs, three rounds of monitoring shall be carried out and the tentative no. of samples to be collected by the monitoring agency will be as per the details provided in Annexure-1. The zonal officers of CPCB in co-ordination with concerned SPCBs may review and update the existing monitoring locations in 33 CPAs (if any) alongwith identification of new monitoring locations in 32 Severely Polluted Areas and 13 other polluted industrial areas **in accordance with the CPCB guidelines for ambient air quality monitoring (NAAQMS/25/2003-04) and water quality monitoring (MINARS/27/2007-08)**. . During the process of identification of monitoring locations, field visit to the selected PIAs be conducted by officers (Scientist-B and above) and the zonal officer of CPCB and will submit a field verification report with justification for the selection of each monitoring location under each PIA. Further, the existing monitoring locations in 33 CPAs may be retained. Thus, the exact no. of samples at each PIA will be finalized in consultation with Zonal offices of CPCB and concerned SPCB. In view of the above, there may be changes (either increase or decrease) to the total no. of samples to be collected and as such, may also alter the total cost of the project .
- xv. At each of the CPAs, 24 hourly ambient air quality monitoring shall be carried out for parameters specified at Part-A of Annexure-2. Also representative samples each for surface water quality and ground water quality shall be collected from prominent surface and ground water bodies located in and around the clusters/ areas and the collected samples shall be analysed for the parameters specified at Part-B of Annexure-2.

- xvi. The Executing agency shall submit the complete monitoring, sampling and analysis reports including summary of the parameters exceeding the prescribed standards / norms for each of CPAs within a period of 3 months from the commencement of the monitoring.
- xvii. The Executing agency shall not assign /outsource any component of the work to any other agency.
- xviii. The Executing agency shall inform to CPCB about the constitution of the teams, names and contact nos. of team leaders and their visit schedule to the allocated CPAs for the monitoring and sampling works.
- xix. The Executing agency shall co-ordinate with the concerned Zonal Offices of CPCB and local SPCBs officials for efficient monitoring and sampling works. The zonal officer of CPCB may depute officer(s) to selected PIAs and verify the progress of monitoring work. The zonal officer of CPCB may submit a field verification report certifying the execution of monitoring work as per the norms in each of the 78 PIAs falling under their jurisdiction. Further, CPCB may also depute officers from Head Office / Zonal office to verify the progress of monitoring work and check the analytical work at the reference laboratory of the Agency(ies) and in the process, may undertake surprise visits to the analytical laboratory of the agency/monitoring locations in any of the 78 PIAs.
- xx. The executing agency shall collect duplicate samples (3% of the total samples under each zone) for selected parameters to be specified by CPCB and submit the same in sealed condition to CPCB. These samples shall be analysed in CPCB laboratory to ensure the analytical quality control.
- xxi. The Executing Agency shall also provide the monitoring schedule to the concerned SPCBs /PCC and Zonal Offices of CPCB to ensure their participation in the monitoring & sampling works.
- xxii. Payment shall be made in 2 parts as follows-
  - i. First instalment shall be made after completion of the monitoring, sampling and analysis work and on submission of the satisfactory reports in respect of 50% of the PIAs allocated / covered. The amount to be paid shall commensurate the total number of samples analysed in the said PIAs.
  - ii. Final instalment shall be made after completion of the monitoring, sampling and analysis work and on submission of the satisfactory reports in respect of remaining 50% of the PIAs allocated / covered. The amount to be paid shall commensurate the total number of samples analysed in the said PIAs.
- xxiii. All the information and data generated or collected during the execution of the work shall be treated as confidential and shall be the sole property of CPCB and the findings of the study shall not be published without prior permission of CPCB.
- xxiv. The Agreement between the selected Expert Agency(ies) and CPCB shall be operative until the completion of the project and acceptance of the final report by CPCB.
- xxv. The project shall be implemented as per the rates finalized and CPCB will not provide any additional fund on account of cost escalation due to delay in project implementation or due to any other reasons whatsoever.

- xxvi. CPCB shall not bear any responsibility for the personnel engaged under the project.
- xxvii. During the course of implementation of the project, the executing agency shall provide the information to the participating CPCB's officials regarding the methodologies/ techniques being adopted for implementation of the project.
- xxviii. The Executing Agency shall submit 5 copies of final report along with CD (Soft copy) on completion of the project. The executing agency shall additionally provide the analysis data in MS excel (Area-wise). The final report should be submitted latest by March 15, 2015. For any delay in submission of the final report beyond the specified period, penalty @ 1% per week of the project cost shall be charged, maximum upto 15% of the project cost. However, the Chairman, CPCB may condone the delay in sampling, monitoring and submission of reports for justified and genuine reasons which are beyond the control of CPCB, SPCB and executing agency. Such reasons shall be recorded.
- xxix. It shall be at the sole discretion of the Competent Authority, CPCB either to defer the entire project or part of the project or reject any proposal without assigning reasons thereof.
- xxx. Applicable Taxes shall be deducted at source.
- xxxi. Proposal being submitted must be signed by an authorized person representing the company/ firm.
- xxxii. The parties submitting the proposal, are requested not to erase or mutilate any word(s) or figures occurring in the quotation. The overwriting is not allowed.
- xxxiii. It may be noted that mere quoting the lowest rates will not entitle any firm to get the work order.
- xxxiv. The tenders shall be valid for a period of 06 months from the date of their opening.
- xxxv. The work order shall be valid for a period of 01 year from the date of issue extendable further for a maximum period of 02 years and the monitoring agency shall undertake monitoring at the approved rates, in any of the PIAs to be assigned by CPCB at any later date.
- xxxvi. In case of any dispute, the decision of the Chairman, CPCB will be final and binding to both the parties.



## State-wise distribution of 78 polluted industrial areas with CEPI Scores ( 2009)

Sr. No	Name of State	Clusters with CEPI >70 (33 Critically polluted areas)	Nos. of Air samples in each round	Nos. of Water Samples in each round		Clusters with CEPI 60-70 (32 severely polluted areas)	Nos. of Air samples in each round	Nos. of Water Samples in each round		Clusters with CEPI <60 (13 polluted areas)	Nos. of Air samples in each round	Nos. of Water Samples in each round	
				SW	GW			SW	GW			SW	GW
	<b>East Zone</b>												
	Assam	--				--				Burnihat (46.26),	8	8	8
										Digboi (44.55)	8	8	8
	Bihar	--				West Singhbhum (67.30)	8	8	8	Hajipur (55.12)	8	8	8
	Jharkhand	Dhanbad (78.63)	4	4	4	Jamshedpur (66.06),	8	8	8	--			
						Saraikela (65.38),	8	8	8				
						Ramgarh (65.11),	8	8	8				
						Bada Jamtara (64.47)	8	8	8				
	Orissa	Angul Talchar (82.09),	8	8	8	Paradeep (69.26)	8	8	8	--			
		Ib-Valley (74.00)	4	4	4								
	West Bengal	Haldia (75.43),	4	4	4	Durgapur (68.26)	8	8	8	--			
		Howrah (74.84),	4	4	4								

		Asansole (70.20)	4	4	4								
	<b>Total PIAs</b>	<b>6</b>				<b>7</b>				<b>3</b>			
	<b>West Zone</b>												
	Gujarat	Ahmedabad (75.28),	4	4	4	Vadodara (66.91),	8	8	8	Surat (57.90)	8	8	8
		Bhavnagar (70.99),	4	4	4	Rajkot (66.76)	8	8	8				
		Junagarh (70.82)	4	4	4								
	Maharashtra	Chandrapur (83.88),	4	4	4	Nashik (69.25),	8	8	8	--			
		Dombivalli (78.41),	4	4	4	Chembur (69.19),	8	8	8				
		Aurangabad (77.44),	4	4	4	Pimpari-Chinchwad (66.06)	8	8	8				
		Navi Mumbai (73.77),	4	4	4								
		Tarapur (72.01)	4	4	4								
	<b>Total PIAs</b>	<b>8</b>				<b>5</b>				<b>1</b>			
	<b>North Zone</b>												
	Delhi	Najafgarh-Drain basin (79.54) including Anand Parbat, Naraina, Okhla, Wazirpur	4	4	4	--				--			
	Haryana	Faridabad (77.07),	6	6	6	--				--			
	Himachal Pradesh	--				Baddi (69.07),	8	8	8	--			
						Kala Amb (68.77),	8	8	8				

						Parwanoo (63.83)	8	8	8				
Punjab	Mandi Govindgarh (75.08)	4	4	4		Batala (68.59),	8	8	8	--			
						Jalandhar (64.98)	8	8	8				
Uttar Pradesh	Noida (78.90),	7	7	7		Moradabad (64.71),	8	8	8	Mathura (59.98),	8	8	8
	Kanpur (78.09),	5	5	5						Meerut (59.38),	8	8	8
	Agra (76.48),	4	4	4		Aligarh (63.83),	8	8	8	Bulandsahar- Khurza (49.09)	8	8	8
	Varanasi- Mirjapur (73.79)	8	8	8		Ferozabad (60.51)	8	8	8				
Uttarakhand	--					Haridwar (61.01)	8	8	8	Udhamsingh Nagar (54.37)	8	8	8
<b>Total PIAs</b>	<b>7</b>					<b>9</b>				<b>4</b>			
<b>South Zone</b>													
Andhra Pradesh	Vishakhapatnam (70.82),	4	4	4		Vijayawada (60.57)	8	8	8	Kathedan (57.73),	8	8	8
										Kukatpalli (56.56)	8	8	8
Karnataka	Mangalore (73.68),	4	4	4		Raichur (68.07),	8	8	8	--			
	Bhadravati (72.33)	4	4	4		Bidar (67.64),	8	8	8				
						Pinia (65.11)	8	8	8				
Kerala	Greater Kochin (75.08)	4	4	4		--				--			

	Tamil Nadu	Vellore -North Arcot (81.79) ,	4	4	4	Tirupur (68.38),	8	8	8	Erode (58.19)	8	8	8
		Cuddalore (77.45),	4	4	4	Mettur (66.98)	8	8	8				
		Manali (76.32),	4	4	4								
		Coimbatore (72.38)	4	4	4								
	<b>Total PIAs</b>	<b>8</b>				<b>6</b>				<b>3</b>			
	<b>Central Zone</b>												
	Chhatisgarh	Korba (83.00)	4	4	4	Raipur (65.45)	8	8	8	Bhillai- Durg (50.57),	8	8	8
	Madhya Pradesh					Dewas (68.77),	8	8	8	Gwalior (54.63)	8	8	8
						Nagda - Ratlam (66.67),	8	8	8				
						Pitampur (65.09)	8	8	8				
	Rajasthan	Bhiwadi (82.91),	4	4	4	Jaipur (66.82)	8	8	8	--			
		Jodhpur (75.19),	4	4	4								
		Pali (73.73)	4	4	4								
	<b>Total PIAs</b>	<b>4</b>				<b>5</b>				<b>2</b>			
	Total no. of samples in each round		<b>146</b>	<b>146</b>	<b>146</b>		<b>256</b>	<b>256</b>	<b>256</b>		<b>104</b>	<b>104</b>	<b>104</b>
	Total no. of samples in 3 rounds of monitoring		<b>438</b>	<b>438</b>	<b>438</b>		<b>768</b>	<b>768</b>	<b>768</b>		<b>312</b>	<b>312</b>	<b>312</b>

**A. Ambient Air Quality Monitoring for following parameters:**

- i. SO<sub>2</sub>, NO<sub>2</sub>, PM<sub>10</sub>, PM<sub>2.5</sub>, Lead and Ammonia (for 24 hourly average monitoring values)
- ii. O<sub>3</sub>, 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 river, canal, ponds, lakes and other such water supply resources flowing through the area or flowing adjoining the CPA alongwith outfalls of CETPs, ETPs, FETP, treated/untreated effluent drains.
- (b) **Ground Water** Quality data of prominent ground water resources such as observation wells of Central Ground Water Board, drinking water wells, hand pumps, bore wells and other 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 water bodies)

**(ii) Regular Monitoring Parameters -**

pH, O&G, Suspended Solids in mg/l, DO (in mg/l as well as % saturation), COD in mg/l, BOD in mg/l, Electrical Conductivity in  $\mu$ mhos/cm, total hardness, Nitrite-Nitrogen, Nitrate-Nitrogen, (NO<sub>2</sub>+NO<sub>3</sub>) total nitrogen in mg/l, Free Ammonia, Total residual chlorine, cyanide, fluoride, sulphides, dissolved phosphates, SAR, Total coliforms, Fecal Coliform (MPN/100 ml),

**(iii) Special Parameters -**

Total phosphorous, TKN, Total Ammonia(NH<sub>4</sub>+NH<sub>3</sub>)-Nitrogen, Phenols, Surface Active Agents, 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 .

- (iv) **Bio-assay (zebra Fish) Test** - For specified samples only. Static Bio-assay method may be adopted.

### Annexure 3

Sl. No.	Criteria	Total Marks	Overall Qualifying Marks required
1	<p><b>Specific Work Experience:</b> It should have been awarded and successfully completed 5 similar types of projects during last seven years each costing not less than Rs. 25.00 Lacs.</p> <ul style="list-style-type: none"> <li>• No. of Marks per project: (4)</li> </ul>	20	Overall score of the Agency should be more than 75 out of 100.
2	<p><b>Project Work Plan:</b> (Details regarding execution of the project including manpower management &amp; time-targeted plans) :</p> <ul style="list-style-type: none"> <li>(a) Manpower Management - Marks - (5)</li> <li>(b) Time Management- Marks - (5)</li> <li>(c) Other resource management - Marks - (5)</li> </ul>	15	
3	<p><b>Details of technical &amp; scientific staff, their qualifications &amp; experience - The Agency</b> should have its own laboratories and qualified technical &amp; scientific personnel.</p> <ul style="list-style-type: none"> <li>• Nos. of team leaders , their qualifications and experience - Marks (5)</li> <li>• Nos. of other field staff , their qualifications and experience - Marks (5)</li> <li>• Nos. of laboratory In-charges, their qualifications and experience - Marks (5)</li> <li>• Nos. of laboratory staff, their qualifications and experience - Marks (5)</li> </ul>	20	
4	<p><b>Own laboratory and Certification of the laboratory under E(P) Act-1986</b> -- The Agency should have its own laboratory with valid certification /recognition under Environment (Protection) Act, 1986 from MoEF.</p> <ul style="list-style-type: none"> <li>• Details &amp; list of Instruments in the laboratories. Marks - (12.5) (Marks to be awarded proportionately depending upon the instruments available for analyzing air/water parameters in-house)</li> <li>• Details &amp; list of parameters which can be analysed in own laboratory (Marks - Air- 6.25; Water : 6.25 ) (Marks to be awarded proportionately depending upon the no. of parameters which can be analysed in-house)</li> </ul>	25	
5	<p><b>Nos. of parameters having NABL Accreditation</b> The laboratory of the agency should have valid NABL Accreditation (Marks - Air Parameters : 10; Water Parameters :10 Marks to be awarded proportionately depending upon the no. of parameters having NABL accreditation )</p>	20	

**Details of Parameter-wise Test Methods and Instruments proposed to be for Opted for Sampling and Analysis**

Sl. No.	Parameter	Name of the Method	Instrument for Monitoring / sampling (wherever applicable)			Instrument for Analysis		
			Name	Detection Range	Min. detection limit	Name	Detection Range	Min. detection limit