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**Jammu and Kashmir  
Pollution Control Committee**

chairman87jkspcb@gmail.com  
membersecretaryjkspcb@gmail.com

0191 – 2472881, 2476925



Parivesh Bhavan, Forest Complex  
Transport Nagar, Jammu, 180 006  
Silk Factory Road  
Rajbagh, Srinagar, 190 008

**The Consultant Judicial,  
Hon'ble National Green Tribunal,  
Principal Bench,  
New Delhi.**

No: JKPC/NGT/OA 693/ 225

Date:- 06-05-2025

**Sub:- Hon'ble National Green Tribunal, order dated 28-01-2025 passed in O.A No. 693 of 2023 titled "Pollution Control Boards are the Weak link appearing in Deccan Herald dated 24-10-2023".**

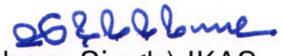
Sir,

In compliance to the directions of Hon'ble National Green Tribunal, order dated 28-01-2025 passed in O.A No. 693 of 2023 titled "Pollution Control Boards are the Weak link appearing in Deccan Herald dated 24-10-2023, the response/affidavit of the J&K Pollution Control Committee is submitted herewith.

It is therefore, requested that the response/affidavit may kindly be taken on record and placed before the Hon'ble NGT for consideration.

Yours faithfully,

**Encl:- As Above**

  
(Ghansham Singh) JKAS  
Member Secretary 6.5.25  
J&K PCC

In the matter of News Item titled "Pollution Control Boards are the weak link" Appearing in Deccan Herald dated 24/10/2023

**BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL NEW DELHI PRINCIPAL BENCH  
ORIGINAL APPLICATION NO. 693/2023**

**AFFIDAVIT ON BEHALF OF JAMMU & KASHMIR POLLUTION CONTROL COMMITTEE**

1. I, Ghansham Singh S/o Late Sh. Avtar Chand, aged 57 years presently posted as the Member Secretary of J&K Pollution Control Committee (J&K PCC) do hereby solemnly affirm and declare as under:
2. That, pursuant to the Orders of Hon'ble National Green Tribunal dated 12th April 2024 in the above Original Application and subsequent letters of the Central Pollution Control Board (CPCB), New Delhi dated April 23, 2024, I submitted an affidavit on **31.5.2024**.
3. That, thereafter, a meeting was held on 14.06.2024 with the Member Secretaries and officials of State Pollution Control Boards (SPCBs) and Pollution Control Committees (PCCs) under the Chairmanship of Member Secretary, CPCB, wherein CPCB presented various shortcomings in the affidavits submitted by SPCBs/PCCs in terms of timeline for filling of vacancy, reason for not filling the posts, sources of revenue along with expenditure incurred during FY 2020-21 and 2021-22 etc, strengthening and notification of Laboratories under Section 17 (2) & Section 52 of the Water Act and under Section 17 (2) & Section 28 of Air Act, facility available for sampling and analysis of Schedule 1 parameters of Environment (Protection) Rules as per Consent to Operate issued to the industries, plans for establishment of new Labs etc.
4. That, after detailed deliberations, on June 14, 2024, CPCB directed all SPCBs/PCCs to submit a revised affidavit in the prescribed format.
5. That, pursuant to the deliberations held during the meeting, a revised affidavit was submitted by J&K PCC to CPCB on **26-06-2024**.
6. That, on July 1, 2024, CPCB sought a revised affidavit seeking details regarding as per the format no details are given for "Duration since posts are vacant". Reasons for filling the 75 vacant posts are not provided. And the reasons given for filling for 90 posts are not satisfactory. Timeline for filling the vacancy (in months)-tentative date/month to be given. Details of "List of activities for carrying out for filling the vacancy and their respective timeline" are not provided. In the income details, no data regarding the Expenditure of FY 2020-21 and FY 2021-22 are provided.
7. That, on July 12, 2024, a second review meeting was chaired by Member Secretary CPCB with Member Secretaries of all the SPCBs/PCCs to discuss the revised affidavit.
8. That, pursuant to the above directions of the CPCB and discussions held during the second review meeting of CPCB, in continuation to the revised affidavit, further details in the matter were submitted by J&K PCC dated **13-07-2024**.
9. That, pursuant to the Order of Hon'ble National Green Tribunal dated 28-01-2025 in the above Original Application and subsequent letters of the Central Pollution Control Board (CPCB), New Delhi dated 27-02-2025 and latest 25-03-2025, revised and updated Affidavit as per the latest position as on **30-04-2025** is hereby submitted as under: -
  - A. **Sanction of posts with timeline:** Hon'ble NGT directed all SPCBs/PCCs to submit affidavit regarding reasons as to why till now the full-strength appointments have not been made and why so many sanctioned posts are lying vacant and also time schedule within which the vacant posts will be filled up. As on date, the sanctioned, vacant and working posts in J&K PCC are as follows:

*26/8/24*

Category of post	Status of Sanctioned posts in Number				Details of current vacancies in number		Action Taken (Approval of the Govt., Engagement agency, Advertisement, Exam date etc.)	Will the vacancy be filled by 30.4.20 25, (say Yes or No)	If not, the timeline and reason for delay may be mentioned.
	Sanctioned	Vacancy as on 11.09.24	Filled after 11.09.24	Current Vacancy					
a) Scientific	78	49	-	49	a) Direct	21	The direct recruitment quota vacant posts in the Gazetted category are to be referred to the J&K PSC and Non-Gazetted category to the J&K SSB, for selection through the competitive examination. The promotion quota posts are to be filled on the basis of the recommendations of Departmental Promotion Committee (DPC). In both the cases, approval and notification of the Recruitment Rules is necessary. The recruitment rules of the J&K PCC have been submitted to the Government for approval and are at present under active consideration of the Government.	The Recruitment Rules of the Jammu and Kashmir Pollution Control Committee have been submitted to the Govt. of Jammu and Kashmir, for approval. Once the Recruitment Rules are approved and notified, thereafter, the Recruitment process for filling up both direct and promotion quota posts will be expedited. The vacant posts in the direct recruitment quota will be immediately referred to the recruiting agencies i.e J&K PSC and SSB through the Administrative Department. Similarly, the vacant posts in the promotion quota will be filled up within a period of three months, after the notification of Recruitment Rules by the Competent Authority.	
					b) Promotion	28			No
					c) Deputation	-			No
b) Engineering	119	41	16	25	a) Direct	13			NA
					b) Promotion	12			No
					c) Deputation	-			NA
c) Administration	248	106	-	106	a) Direct	63			No
					b) Promotion	28			No
					c) Deputation	15			No
<b>Total</b>	<b>445</b>	<b>196</b>	<b>16</b>	<b>180</b>		<b>180</b>			

**B. Details of Laboratories w.r.t. Water (Prevention and Control of Pollution) Act, 1974**

- The monitoring of the prescribed parameters are being done through J&K PCC established water laboratories, one at Regional Office Jammu and other at Regional Office Srinagar.
- A proposal for the notification of both the Water Laboratories, one at Jammu and another at Kashmir in the official Gazette, has been submitted to the Government of Jammu and Kashmir on 25-03-2025 and it is expected to be notified within a period of 6 months.
- J&K PCC or any other Institute / Laboratory has not been specified as State/UT Water Laboratory.
- The Two Regional UT Water Laboratories one each at Jammu and Kashmir, respectively are being proposed for notification as UT Water Laboratories.

**C. Details of Laboratories w.r.t. Air (Prevention and Control of Pollution) Act, 1981**

- The monitoring of the prescribed parameters are being done through J&K PCC established laboratories, one at Regional Office Jammu and other at Regional Office Srinagar.
- A proposal for the notification of both the Air Laboratories, one at Jammu and another at Kashmir in the official Gazette, has been submitted to the Government of Jammu and Kashmir on 25-03-2025 and it is expected to be notified within a period of 6 months.

*25/3/25*

- (c) J&K PCC or any other Institute / Laboratory has not been specified as State/UT Air Laboratory.
- (d) The Two Regional Air Laboratories one each at Jammu and Kashmir, respectively are being proposed for notification as UT Air Laboratories.

**D. Information on Laboratories recognized as Environment Laboratory under Environment (Protection) Act, 1986**

- a) Out of B(a) and C(a) above laboratories, no Laboratory has been recognized as Environmental Laboratories.
- b) 02 Water Laboratories and 02 Air Laboratories of J&K PCC are planned for recognition under Environment (Protection) Act, 1986
- c) 24 months required for recognition under Environment (Protection) Act, 1986

JKPCC is in the process of restructuring the organizational setup. The aim of restructuring is to increase the posts of **Technical** and **Scientific cadre** at senior levels and to strengthen the Laboratories also.

The latest Recruitment Rules of the Jammu and Kashmir Pollution Control Committee after amendment, have been submitted again to the Govt. of Jammu and Kashmir, for consideration and approval on 08-04-2025. Once the Recruitment Rules are approved and notified, thereafter, the Recruitment process for filling up both direct and promotion quota posts will be expedited. The vacant posts in the direct recruitment quota will be immediately referred to the recruiting agencies i.e J&K PSC and SSB through the Administrative Department. Similarly, the vacant posts in the promotion quota will be filled up within a period of three months, after the notification of Recruitment Rules by the Competent Authority.

**E. Creation of necessary infrastructure in the laboratories etc. and for setting up the laboratories where they don't exist:**

- (i) The existing Laboratories are being further strengthened **and are likely to take from 6 months to 48 months, keeping in view the financial implications involved and need of Filling the Posts of Scientific Staff in the J&K PCC Laboratories. Facilities available for Monitoring of Environmental Parameters and Details of Laboratory Infrastructure- (Equipment available and required) is detailed below:**

LABORATORY ANALYTICAL FACILITIES

Name of the Board / Committee: Name of the Board / Committee: J&K Pollution Control Committee -Regional Laboratory Jammu and Srinagar (Summary Sheet)

PART I: Facility available for monitoring of environmental parameters:

S. No.	Parameters	Facilities Available (Yes / No)	If facility is not available, Specify Timeline for addition of this parameter. (in months)	Action Taken for addition of this parameter (Specification finalized / procurement initiated / work awarded / outsourced)
<b>A. Sample Matrix / Group of Water and Wastewater</b>				
<b>(a) Physical Tests</b>				
1	Temperature	Yes		

2	Colour	No	6 Months to 12 Months	Specifications finalized
3	pH	Yes		
4	Turbidity	Yes		
5	Conductivity	Yes		
6	Total Solids	Yes		
7	Total Dissolved Solids (TDS)	Yes		
8	Total Suspended Solids (TSS)	Yes		
<b>(b) Inorganic Tests</b>				
<b>(i) General &amp; Non-metallic</b>				
1	Alkalinity	Yes		
2	Chloride	Yes		
3	Cyanide	No	24 Months	Specification finalized; Outsourced to NABL Accredited Labs
4	Dissolved oxygen	Yes		
5	Nitrite nitrogen	Yes		
6	Nitrate nitrogen	Yes		
7	Ammonical nitrogen	Yes		
8	Fluoride	Yes		
9	Hardness (Total)	Yes		
10	Calcium	Yes		
11	Magnesium	Yes		
12	Phosphate	Yes		
13	Sulphate	Yes		
14	Sulphide	No	6 Months to 12 Months	Procurement initiated; Specifications finalized
15	Total Residual chlorine (TRC)	Yes		
<b>(ii) Trace Metals Tests</b>				
1	Aluminium (Al)	No	6 Months	Specifications finalized procurement initiated, Outsourced to Instrumental Lab at Central University Jammu
2	Arsenic (As) Total	No	6 Months	Specifications finalized procurement initiated Outsourced to Instrumental Lab at Central University Jammu
3	Barium	No	6 Months	Specifications finalized procurement initiated, Outsourced to Instrumental Lab at Central University Jammu
4	Boron	Yes		
5	Chromium (Cr) Hexavalent	Yes		
6	Chromium (Cr) Total	Yes		
7	Cadmium (Cd)	No	6 Months	Specifications finalized procurement initiated Outsourced to Instrumental Lab at Central University Jammu
8	Cobalt (Co)	No	6 Months	Specifications finalized procurement initiated Outsourced to Instrumental Lab at Central University Jammu

9	Copper (Cu)	No	6 Months	Specifications finalized procurement initiated Outsourced to Instrumental Lab at Central University Jammu
10	Iron (Fe)	Yes		
11	Lead (Pb)	No	6 Months	Specifications finalized procurement initiated Outsourced to Instrumental Lab at Central University Jammu
12	Manganese (Mn)	No	6 Months	Specifications finalized procurement initiated Outsourced to Instrumental Lab at Central University Jammu
13	Mercury (Hg)	No	6 Months	Specifications finalized procurement initiated Outsourced to Instrumental Lab at Central University Jammu
14	Nickel (Ni)	No	6 Months	Specifications finalized procurement initiated Outsourced to Instrumental Lab at Central University Jammu
15	Potassium (K)	Yes		
16	Sodium (Na)	Yes		
17	Vanadium (V)	No	6 Months	Specifications finalized procurement initiated Outsourced to Instrumental Lab at Central University Jammu
18	Zinc (Zn)	No	6 Months	Specifications finalized procurement initiated Outsourced to Instrumental Lab at Central University Jammu
19	Selenium (Se)	No	6 Months	Specifications finalized procurement initiated, Outsourced to Instrumental Lab at Central University Jammu
<b>(c) Organics (General) and Trace Organics Tests</b>				
1	Biological Oxygen Demand (BOD)	Yes		
2	Chemical oxygen demand (COD)	Yes		
3	Oil & Grease	Yes		
4	Phenolic Compounds as C <sub>6</sub> H <sub>5</sub> OH	No	6 Months	Will be outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar, Outsourced to NABL Accredited Labs
5	Benzopyrene	No	6 Months	Will be outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar, Outsourced to NABL Accredited Labs
<b>6</b>	<b>Pesticides</b>			
<b>6.a</b>	<b>Organochlorine Pesticides (OCPs) Tests</b>			
i	Aldrin	No	6 Months	Will be outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar, Outsourced to NABL Accredited Labs
ii	Alpha Endosulphan	No	6 Months	Will be outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar, Outsourced to NABL Accredited Labs
iii	p,p'-DDT	No	6 Months	Will be outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar, Outsourced to NABL Accredited Labs



iv	Alpha-HCH	No	6 Months	Will be outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar, Outsourced to NABL Accredited Labs
v	Beta HCH	No	6 Months	Will be outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar, Outsourced to NABL Accredited Labs
vi	Beta Endosulphan	No	6 Months	Will be outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar, Outsourced to NABL Accredited Labs
vii	Gama-HCH	No	6 Months	Will be outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar, Outsourced to NABL Accredited Labs
viii	o,p'-DDT	No	6 Months	Will be outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar, Outsourced to NABL Accredited Labs
ix	p,p'-DDE	No	6 Months	Will be outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar, Outsourced to NABL Accredited Labs
<b>6.b</b>	<b>Organophosphorus Pesticides (OPPs) Tests</b>			
i	Malathion	No	6 Months	Will be outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar, Outsourced to NABL Accredited Labs
ii	Methyl parathion	No	6 Months	Will be outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar, Outsourced to NABL Accredited Labs
iii	Chlorpyrifos	No	6 Months	Will be outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar, Outsourced to NABL Accredited Labs
iv	Dimethoate	No	6 Months	Will be outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar, Outsourced to NABL Accredited Labs
v	Dieldrin	No	6 Months	Will be outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar, Outsourced to NABL Accredited Labs
vi	Ethion	No	6 Months	Will be outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar, Outsourced to NABL Accredited Labs
<b>(d) Microbiological Tests</b>				
1	Total Coliform	Yes		
2	Faecal Coliform	Yes		
3	E. Coli	No	12 Months	Specification finalized; Outsourced to NABL Accredited Labs

4	Faecal Streptococci	No	12 Months	Specification finalized; Outsourced to NABL Accredited Labs
<b>(e) Toxicological Tests</b>				
1	Bioassay method for evaluation of toxicity using fish (90% survival of fish after 96 hrs in 100% effluent)	No	24 Months	Specification to be finalized, Outsourced to NABL Accredited Labs
<b>B. Sample Matrix / Group of Solid / Solid Waste</b>				
<b>(a) Soil / Sediment / Compost Tests</b>				
1	Cation Exchange Capacity (CEC)	No	12 Months	Will be outsourced to SKUAST Shalimar Srinagar, Outsourced to NABL Accredited Labs
2	Electrical Conductivity (EC)	No	12 Months	Will be outsourced to SKUAST Shalimar Srinagar, Outsourced to NABL Accredited Labs
3	Organic carbon (Chemical Method )	No	12 Months	Will be outsourced to SKUAST Shalimar Srinagar, Outsourced to NABL Accredited Labs
4	pH	No	12 Months	Will be outsourced to SKUAST Shalimar Srinagar, Outsourced to NABL Accredited Labs
5	Soil moisture	No	12 Months	Will be outsourced to SKUAST Shalimar Srinagar, Outsourced to NABL Accredited Labs
6	Total nitrogen	No	12 Months	Will be outsourced to SKUAST Shalimar Srinagar, Outsourced to NABL Accredited Labs
7	Metals by digestion (As, Cd, Cr, Pb, Ni etc.)	No	12 Months	Will be outsourced to SKUAST Shalimar Srinagar, Outsourced to NABL Accredited Labs
<b>(b) Hazardous Waste (Liquid / Slurry / Sludge / Solid / Semi-Solid) Tests</b>				
1	Corrosivity	No	12 Months	Will be outsourced when required, Outsourced to NABL Accredited Labs
2	Ignitability (Flash Point)	No	12 Months	Will be outsourced when required, Outsourced to NABL Accredited Labs
3	Loss on Drying at 1050C (% Moisture Content)	No	12 Months	Will be outsourced when required, Outsourced to NABL Accredited Labs
4	Loss on Drying at 5500C (% Organic Content)	No	12 Months	Will be outsourced when required, Outsourced to NABL Accredited Labs
5	pH	No	12 Months	Will be outsourced when required, Outsourced to NABL Accredited Labs
6	Organic carbon/matter (Chemical Method )	No	12 Months	Will be outsourced when required, Outsourced to NABL Accredited Labs
7	Calorific Value	No	12 Months	Will be outsourced when required, Outsourced to NABL Accredited Labs
8	Toxicity Characteristics leaching procedure (TCLP) Leachate and Metals in Leachate (As,Cd,Cr, Pb, Ni)	No	12 Months	Will be outsourced when required, Outsourced to NABL Accredited Labs
<b>C. Sample Matrix / Group of Analytes: Air</b>				
<b>(a) Ambient Air</b>				
1	Nitrogen dioxide as NO <sub>2</sub>	Yes		
2	Sulphur dioxide (SO <sub>2</sub> )	Yes		
3	Particulate matter (PM <sub>10</sub> )	Yes		
4	Particulate matter (PM <sub>2.5</sub> )	Yes		

5	Carbon Monoxide	Yes		
6	Ozone	Yes		
7	Benzene	Yes		
8	Ammonia	Yes		
9	Metals in Particulate Matter, Pb	No		Already outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar, Outsourced to NABL Accredited Labs and Instrumental Lab at Central University Jammu.
10	Metals in Particulate Matter, As	No		Already outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar, Outsourced to NABL Accredited Labs and Instrumental Lab at Central University Jammu.
11	Metals in Particulate Matter, Ni	No		Already outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar, Outsourced to NABL Accredited Labs and Instrumental Lab at Central University Jammu.
12	Particulate Benzo-a-Pyrene (BaP)	No		Already outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar, Outsourced to NABL Accredited Labs and Instrumental Lab at Central University Jammu.

**(b) Stack Gas / Stationary Source Emission**

1	Particulate Matter	Yes		
2	Sulphur Dioxide	Yes		
3	Carbon Dioxide	No	12 Months to 24 Months	Specifications finalized; procurement will be initiated
4	Carbon Monoxide (NDIR based Method)	No	12 Months to 24 Months	Specifications finalized; procurement will be initiated
5	Temperature	No	12 Months to 24 Months	Specifications finalized; procurement will be initiated
6	Moisture	No	12 Months to 24 Months	Specifications finalized, procurement will be initiated
7	Oxygen	No	12 Months to 24 Months	Specifications finalized; procurement will be initiated
8	Oxides of Nitrogen	Yes		
9	Halides (HCL/HF)	No	24 Months	Will be outsourced as and when required from Nitya Lab Jammu, Outsourced to NABL Accredited Labs.

**(c) Noise Level**

1	Ambient Noise level measurement (20 to 140 dB)	Yes		
2	Source Noise Level Measurement (Industrial process, DG set- 20 to 140dB)	Yes		

**(d) Meteorological Monitoring**

1	Ambient Temperature	Yes		
2	Wind direction	Yes		
3	Wind speed	Yes		
4	Relative Humidity	Yes		

5	Mixing Height	No	24 Months	Specification to be finalized; Outsourced to Instrumental Lab at Central University Jammu.
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## PART II: Details of Laboratory Infrastructure (Instruments and Equipment)

S. No.	Name of Instrument / Equipment	Available Yes / No	If the Instrument / Equipment is not available, Specify Timeline for procurement of this instrument (in months)	Action Taken for procurement of this Instrument / Equipment (Specification finalized / procurement initiated / work awarded / outsourced)
<b>A. List of Instruments / Equipment for Sampling of Water, Wastewater and Soil / Hazardous Wastes</b>				
<b>a) Mandatory Requirements</b>				
1	Portable / Pen type pH meter / pH strip	Yes		
2	Portable Dissolved Oxygen Meter / Field Fixing using chemicals	Yes		
3	Electrical Conductivity meter pen type	Yes		
4	Flow meter / Physical flow measuring	Yes		
5	GPS / Mobile with GPS app	Yes		
6	Ice Box (2 nos.) (150 litre & 100 litre capacities)	Yes		
7	Thermometer	Yes		
8	Stainless steel bucket with nylon rope and mug	Yes		
9	Ground water level measuring device	No	12 Months	Will be outsourced to Central Ground Water Board, when required, Outsourced to NABL Accredited Labs.
10	Scoop / shovel	No	12 Months	Procurement will be initiated, Outsourced to NABL Accredited Labs.
11	Auger / core sampler	No	12 Months	Procurement will be initiated, Outsourced to NABL Accredited Labs.
<b>b) Optional Requirements</b>				
1	Bottom Sampler / Depth sampler	Yes		
2	Chloroscope for residual chlorine	Yes		
3	Vandorn or equivalent water sampler (Automatic sampler when composite sampling to be done)	No	36 Months	Specification to be finalized; Outsourced to NABL Accredited Labs.
4	Ekman Dredge	No	36 Months	Specification to be finalized, Outsourced to NABL Accredited Labs.
<b>B. List of Instruments / Equipment for Sampling of Ambient Air and Source Emission monitoring</b>				
<b>a) Mandatory Requirements</b>				
1	Fine dust samplers PM2.5 (*4 Nos)	Yes		
2	Respirable Dust Sampler PM 10 (* 4 Nos)	Yes		
3	High Volume Sampler ( SPM ) (4 Nos)	Yes		

4	Handy Sampler with set of glass impingers (*2 Nos)	No	12 Months to 24 Months	Specification finalized; Procurement will be initiated
5	Low Volume Sampler (LVS)	Yes		
6	Tedler bags different sizes	No	24 Months	Specification finalized; Procurement will be initiated
7	Meteorological tower (All in one telescopic Mast) with sensors comprising wind speed, wind direction, ambient temp., Relative humidity, Solar radiation, rainfall etc.	Yes		
8	Nitrogen Cylinder portable	Yes		
9	Activated Charcoal tubes/ Tenex	Yes		
10	Barometer (Digital)	No	12 Months	Specification finalized; Procurement will be initiated
11	Isokinetic Stack Monitoring Kit complete with Stack monitoring instrument panel with inclined cum vertical manometer, Cold Box, Vacuum pump, Glass assembly impingers	Yes		
12	Modified S type Stainless steel Pitot tube (Standard length) with Assembly	Yes		
13	Monoblock type, rotary design vacuum pump	No	24 Months	Specifications/ to be finalized
14	Orsat Apparatus	Yes		
15	Source emission monitoring Impingers train set with spare impingers 100 ml & 225 ml capacity	Yes		
16	Stainless steel heated Sampling Probes with thimble holders short and long	Yes		
17	Flue Gas analyzer	Yes		
18	Thermometer/ Thermocouple	Yes		
19	Calibrator for Noise Meters	Yes		
20	Digital Sound level ( Noise ) Metres	Yes		
21	Portable TOC Analyzer for emission monitoring.	No	12 Months	Procurement will be initiated, Outsourced to NABL Accredited Labs.
22	Polyurethane Foam PUF Sampler	No	24 Months	Procurement will be initiated, Outsourced to NABL Accredited Labs.
<b>b) Optional Requirements</b>				
1	Anemometer	No	12 Months	Procurement will be initiated, Outsourced to Instrumental Lab at Central University Jammu.
2	Weather Monitoring system	Yes		
3	Wind speed/wind direction monitor	Yes		
4	Continuous Ambient Air Monitoring System, Fixed	Yes		
5	Continuous PM10 Analyzer	Yes		
6	Continuous Ambient Air Monitoring System, Mobile	Yes		

7	Continuous PM2.5 analyzer	Yes		
8	Ambient Nitrogen Oxides (NO-NO2-NOx Analyzer	Yes		
9	Ambient Ozone Analyzer	Yes		
10	Ambient BTEX Analyzer	Yes		
11	Multipoint Gas Calibration system	Yes		
12	Ambient Sulphur Dioxide analyzer	Yes		
13	Ambient Carbon Monoxide & Carbon dioxide analyzer	Yes		
14	Total Hydrocarbon analyzer	No	36 Months	Specifications to be finalized; Outsourced to Instrumental Lab at Central University Jammu.
15	Ambient Ammonia analyzer	Yes		
16	Zero Gas Generator	Yes		
17	Synthetic Air Cylinder	Yes		
18	Calibration Gas Cylinders, SO2, NO, CO, NH3, benzene and Toluene One each with stainless steel Regulators	Yes		
19	Continuous emission monitoring equipment	Yes		
20	19 inch Rack mounting system for air analyzers	Yes		
21	Dry Gas Meter	Yes		
22	Diesel Exhaust analyzer	Yes		
23	Exhaust CO/HC analyzer with Sampling Probe	Yes		
24	Automated Noise Monitoring System	No	48 Months	Specifications finalized
25	Integrating Sound level meter	No	24 Months to 48 Months	Specifications/ to be finalized
26	Continuous PM10& PM2.5 Monitoring Analyzer TEOM system	Yes		
27	Top loading orifice kit for calibration of HVS	Yes		
28	Permeation tubes (SO2, NO-NO2-NOx, NH3, BTX)	Yes		

**C. List of Equipment required for processing of Environmental Samples:**

**a) Mandatory Requirements**

1	Accelerated Solvent Extraction (ASE) System	No	36 Months	Specifications finalized; Procurement will be initiated. Outsourced to NABL Accredited Labs.
2	Ammonia distillation assembly/TKN Analyzer	No	3 months to 24 Months	Specifications finalized; Procurement will be initiated
3	Analytical Balance 4/5 digit & 6 digit (Digital)	Yes	6 months	Specifications finalized; Procurement for 6 digit will be initiated
4	Aquarium for Toxicity bioassay test with complete accessories (*4 Nos)	No	36 Months	Specifications to be finalized; Outsourced to NABL Accredited Labs.
5	Autoclave (*2 Nos)	Yes		

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6	Bacteriological Incubators Stainless steel (*2 Nos)	Yes		
7	Bio safety cabinets	Yes		
8	BOD Incubators (2 nos.)	Yes		
9	Centrifuge	No	12 Months	Procurement will be initiated, Outsourced to NABL Accredited Labs.
10	COD Digestion heated Blocks (2) with capacity 16 nos. or more	Yes		
11	Cyanide Distillation Assembly (3)	No	24 Months	Procurement will be initiated. Outsourced to NABL Accredited Labs.
12	Deep Freezer- Capacity 500 litre	Yes		
13	Laboratory Ball Mill Grinder	No	12 Months	Procurement will be initiated, Outsourced to NABL Accredited Labs.
14	Laboratory Grinder	Yes		
15	Laminar Flow bench for Microbiological analysis	Yes		
16	Magnetic Stirrer with heating system (*2 Nos)	Yes		
17	Mechanical Shaker	No	12 Months to 24 Months	Procurement will be initiated, Specifications finalized.
18	Membrane Filtration assembly with vacuum pump (2 nos.)	Yes		
19	Microbial culture refrigerator	Yes		
20	Microwave Digester with 16 vessels/ Hot Plate	No	24 Months	Procurement will be initiated, Specifications finalized. Outsourced to Instrumental Lab at Central University Jammu.
21	Muffle Furnace (*1 Nos), Range 1200 C	Yes		
22	Phenol distillation assembly (3)	No	36 Months	Specifications finalized; Procurement will be initiated. Outsourced to Instrumental Lab at Central University Jammu.
23	Plate counter, Manual/Automatic	Yes		
24	Digestion Chambers/ Fume hood	Yes		
25	Digital Thermometer & Humidity meter- All lab area	Yes		
26	Dispensers (Various capacities) up to 5, 10, 25 & 50 ml	Yes		
27	Filtration Assembly with vacuum pump	Yes		
28	Fluoride Distillation Assembly (3)	No	12 Months to 36 Months	Specifications finalized; Procurement will be initiated.
29	Arsenic / Fluoride Glass Distillation assemblies	No	36 Months	Specifications finalized; Procurement will be initiated. Outsourced to NABL Accredited Labs.
30	Glass Double Distillation Assembly /Water Purification System	Yes		
31	Heating mantles (2 nos.)	Yes		
32	Hot plates (small, Medium and Large) (*2 nos.)	Yes		
33	Thermo Hygrometer	No	6 Months to 12 Months	Specifications finalized; Procurement will be initiated.
34	Imhoff Cone	Yes		

35	Top loading Precision Digital Balance (minimum detection 0.001mg/0.01 mg) with anti-vibration facility- 3 nos. i.e 4/5 Digit (2 nos), - 6 Digit (1 no)	No	24 Months to 48 Months	Specifications finalized; Procurement will be initiated.
36	Refrigerators Big Size 300 litres or more, double door- 2 nos.	Yes		
37	Rotary Evaporator (Buchi type) with water recirculating chiller	No	36 Months	Procurement will be initiated after specification finalized. Outsourced to NABL Accredited Labs.
38	Separating funnel shaker	Yes		
39	Soxhlet Apparatus	No	36 Months	Procurement will be initiated after specification finalized. Outsourced to NABL Accredited Labs.
40	Solid Phase Extraction (SPE) /SPME Extraction system	No	36 Months	Procurement will be initiated after specification finalized; Outsourced to NABL Accredited Labs.
41	Thermometer (Alcohol)	No	3 Months to 12 Months	Specifications finalized; Procurement will be initiated. Outsourced to NABL Accredited Labs.
42	Dry & wet bulb Thermometer	No	3 Months to 12 Months	Specifications finalized; Procurement will be initiated
43	Toxicity characteristic leaching procedure (TCLP) Extractors (Zero head and Bottle)	No	36 Months	Procurement will be initiated after specification finalized. Outsourced to NABL Accredited Labs.
44	Ultra sonic water bath- Capacity 3 litre	No	36 Months	Procurement will be initiated after specification finalized. Outsourced to Instrumental Lab at Central University Jammu.
45	Water Bath with temperature control (*2 Nos)	Yes		
46	Water Bath with temp. for mercury sample digestion- 20 BOD Bottles	No	36 Months	Procurement will be initiated after specification finalized. Outsourced to NABL Accredited Labs.

#### D. Analytical Instruments at Environmental Laboratories

##### a) Mandatory Requirements

1	Atomic Absorption spectrometer (AAS)- Flame, Hydride & Graphite Tube Atomizer (GTA)	No	6 Months	Specifications finalized procurement initiated. Outsourced to Instrumental Lab at Central University Jammu.
2	Binocular Stereo Zoom Microscope	No	24 Months	Procurement will be initiated. Outsourced to NABL Accredited Labs.
3	Bomb Calorimeter	No	24 Months	Procurement will be initiated after specification finalized. Outsourced to NABL Accredited Labs.
4	BTX Analyzer with BTX calibrator	No	36 Months	Procurement will be initiated after specification finalized. Outsourced to NABL Accredited Labs.
5	Colony counter	Yes		
6	Conductivity meter- 2 nos.	Yes		
7	Environment conditioning chamber	No	36 Months to 48 Months	Specification finalized. Procurement will be initiated
8	Digital Burettes- 50 ml*2, 100 ml*2	Yes		
9	Dissolved Oxygen Meter (Bench model)	Yes		
10	Flame Photometer	Yes		

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11	Flash Point Apparatus	No	36 Months	Procurement will be initiated after specification finalized. Outsourced to NABL Accredited Labs.
12	Gas Chromatograph Mass Spectrometer	No		Outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar and Instrumental Lab at Central University Jammu.
13	High Performance Liquid Chromatograph (HPLC)	No		Outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar and Instrumental Lab at Central University Jammu.
14	Inductively Coupled Plasma (ICP) Spectrometer-OES	No		Outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar and Instrumental Lab at Central University Jammu.
15	Ion Chromatograph Anion & Cations	No		Outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar and Instrumental Lab at Central University Jammu.
16	Methane and Non-Methane (NMHC) Analyzer	No	36 Months	Specifications finalized. To be outsourced when required
17	Microscope – 100x	No	12 Months	Procurement will be initiated. Outsourced to Instrumental Lab at Central University Jammu.
18	Microscope Binocular Research	No	12 Months	Procurement will be initiated. Outsourced to Instrumental Lab at Central University Jammu.
19	CO (NDIR based) Analyzer	No	36 Months to 48 Months	Specifications/ to be finalized.
20	Nephelometer (Turbidity Meter)	Yes		
21	pH-Meter with combined electrode (3 point)- 2 nos.	Yes		
22	Specific ion Analyzer with ion selective electrodes	Yes		
23	Spectrophotometer Visible (Portable)	Yes		
24	TKN Analyzer semi-automatic with aluminum block digester	No	3 Months to 24 Months	Specifications finalized; Procurement initiated.
25	UV-Vis Spectrophotometer	Yes		
26	Moisture Content Analyzer	No		Outsourced to SKUAST Shalimar Srinagar and NABL Accredited Labs.

**b) Optional Requirements**

1	Automatic Titration Assembly	No	12 Months to 24 Months	Specifications finalized; Procurement will be initiated.
2	Carbon, Hydrogen, Nitrogen and Sulphur (CHNS) Elemental Analyzer	No	48 Months	Specifications to be finalized. Outsourced to NABL Accredited Labs.
3	EDXRF Analyzer/WDXRF Analyzer	No	48 Months	Specifications to be finalized. Outsourced to NABL Accredited Labs.
4	Fourier-transform infrared Spectrometer (FTIR)	No		Outsourced to SKUAST Shalimar Srinagar when required. Outsourced to NABL Accredited Labs.
5	Flocculator ( Jar testing apparatus)	No	12 Months	Procurement will be initiated. Outsourced to NABL Accredited Labs.



6	Toxic Gas Analyzer	No	48 Months	Specifications to be finalized. Outsourced to NABL Accredited Labs.
7	Organic Halogen (AOX/TOX) Analyzer	No	48 Months	Specifications to be finalized. Outsourced to NABL Accredited Labs.
8	TOC Analyzer	No	12 Months	Procurement will be initiated. Outsourced to NABL Accredited Labs.
9	High Resolution Mass Spectrometer (HRGC-HRMS)	No		Outsourced to SKUAST Shalimar Srinagar when required. Outsourced to NABL Accredited Labs.
10	Inductively Coupled Plasma Mass (ICP-MS) Spectrometer	No		Outsourced to SKUAST Shalimar Srinagar when required. Outsourced to NABL Accredited Labs and Instrumental Lab at Central University Jammu.
11	X Ray Fluorescence (XRF) Spectrometer (Portable)	No	48 Months	Outsourced to SKUAST Shalimar Srinagar when required. Outsourced to NABL Accredited Labs.

(ii) J&K Pollution Control Committee intends to establish 05 more Laboratories at the District Level in the following Districts **having concentration of industrial units as compared to the other Districts of the UT of Jammu and Kashmir.**

1. Kathua - 01 Laboratory
2. Samba - 01 Laboratory
3. Udhampur- 01 Laboratory
4. Pulwama - 01 Laboratory
5. Budgam - 01 Laboratory

The time required for establishment of the infrastructure and required staff in the newly proposed laboratories will be twenty-four months.

**F. Details about sampling facilities available, timeline for procurement of equipment and outsourcing to NABL Accredited labs: The facilities available for monitoring of environmental parameters with J&K PCC laboratories and timeline for finalization of procurement procedure for purchase of equipments and outsourcing to recognized laboratories is already mentioned above at E (i).**

- i. The J&K Pollution Control Committee (PCC) included the agenda regarding, upgradation of Laboratory Infrastructure. in the 5<sup>th</sup> J&K PCC Meeting held on 22-04-2025, for **approval of the budget of J&K PCC for the financial year 2025-26.** The provision under consent budget 2025-26 has been increased for meeting the requirement for laboratory infrastructure, outsourcing, recognition as NABL and Environment Protection Laboratories, Including the provision of Rs.150.00 lakh for establishment of CAAQMS at Jammu during 2025-2026.

*25/04/25*

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The proposed consent budget for FY 2025-26 has been estimated at **Rs.733.20 lakh**. The object head-wise proposal is given as under-

(Rs.in  
lakh)

#	Detailed Head	Budget Prov. (2025-26)	Remarks (if any)
1	Wages (Need basis)	80.20	
2.	Outsourcing of Services	200.00	
3.	Machinery and Equipment	250.00	Including the provision of Rs.150.00 lakh for establishment of CAAQMS at Jammu as per Budget Announcements for FY 2025-26
4.	Maintenance of Capital Assets	78.00	
5.	Adv.& Publicity	15.00	
6.	Miscellaneous OPEX	110.00	
	<b>Total</b>	<b>733.20</b>	

### Verification

I, the deponent do hereby verify that the contents of the above affidavit are true and correct to the information derived from the documents available in the office and according to my personal knowledge and belief.

  
Member Secretary