

**Jammu and Kashmir
Pollution Control Committee**

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

No: - JKPCC/NGT/OA-693/2025/ 554 -556

Date: -10 -12-2025

Sub:- Affidavit on behalf of Jammu and Kashmir Pollution Control Committee pursuant to Hon'ble National Green Tribunal, order dated 14-10-2025 passed in OA No. 693/2023 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, Principal Bench, New Delhi order dated 14-10-2025 passed in OA No. 693 of 2023 titled "Pollution Control Boards are the Weak Link" Appearing in Deccan Herald dated 24.10.2023, the affidavit of the J&K Pollution Control Committee is submitted herewith.

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

Yours faithfully,

Encl: - As Above


(Dr. R. Gopinath), IFS
Member Secretary,
JK PCC, Jammu

Copy to the:-

1. Member Secretary, Central Pollution Control Board, Delhi.
2. Mr. G. Thirumurthy, Scientist 'E' and Divisional Head, PCP Division, CPCB, Delhi.

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

- I, Dr. R. Gopinath, S/o Mr. K. Rajamanickam, aged 48 years presently posted as the Member Secretary of J&K Pollution Control Committee (J&K PCC) do hereby solemnly affirm and declare as under:
- That, pursuant to the Orders of Hon'ble National Green Tribunal dated 28th January 2025 and 14th October 2025, in the above Original Application and subsequent letter/s of the Central Pollution Control Board (CPCB), New Delhi dated October 28, 2025, I hereby submit an affidavit on **10.12.2025**.
- That, as per CPCB letter dated 28th October 2025, all SPCBs/PCCs were requested to file status of reports in terms of earlier direction and furnish an advance copy thereof to the Counsel for the CPCB to enable in compiling the information in the tabulated form and place it before the Tribunal at least one week before the next date of hearing i.e. 08th January 2026.
- That as per CPCB letter dated 28th October 2025, all SPCBs/PCCs were directed to submit a revised affidavit in the prescribed format, seeking details regarding Status of sanctioned posts, filled up posts, current vacancy as on 30th November 2025 in Annexure -1 and Laboratory analytical facilities in Annexure -2.
- That, pursuant to the Order of Hon'ble National Green Tribunal dated 28-01-2025 and 14-10-2025, in the above Original Application and subsequent letter of the Central Pollution Control Board (CPCB), New Delhi dated 28-10-2025, revised and updated Affidavit as per the latest position as on **30-11-2025** is hereby submitted as under: -

A. Sanction of posts with timeline: Hon'ble NGT directed all SPCBs/PCCs to submit affidavit regarding action taken and timeline by which the vacancy will be filled. The sanctioned, filled up and current vacancy as on 30th November 2025, in J&K PCC are as follows:

Annexure-1

Category of post	Status of Sanctioned Posts in Number	Filled Posts as on 30.11.2025	Current Vacancy as on 30.11.2025	Details of current vacancies in number		Action Taken (Approval of the Govt., Engagement agency, Advertisement, Exam date etc.)	The timeline by which the vacancy will be filled (in months)
a) Scientific	78	29	49	a) Direct	23	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	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
				b) Promotion	26		
				c) Deputation	-		
b) Engineering	119	93	26	a) Direct	13		
				b) Promotion	13		
				c) Deputation	-		
c) Administration	248	136	112	a) Direct	66		
				b) Promotion	29		
				c) Deputation	17		

						Government for approval and are at present under active consideration of the Government.	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 one month, after the notification of Recruitment Rules by the Competent Authority.
Total	445	258	187		187		

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

- (a) 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.
- (b) A proposal for the notification of both the Water Laboratories, one at Jammu and another at Kashmir in the official Gazette, has been resubmitted to the Government of Jammu and Kashmir on 18-06-2025, based on certain observations and it is expected to be notified within a period of 6 months.
- (c) J&K PCC or any other Institute / Laboratory has not been specified as State/UT Water Laboratory.
- (d) 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

- (a) 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.
- (b) A proposal for the notification of both the Air Laboratories, one at Jammu and another at Kashmir in the official Gazette, has been resubmitted to the Government of Jammu and Kashmir on 18-06-2025, based on certain observations and it is expected to be notified within a period of 6 months.
- (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.

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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 one month, 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:**

Annexure-2

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)
A. Sample Matrix / Group of Water and Wastewater				
(a) Physical Tests				
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) Inorganic Tests				
(i) General & Non-metallic				
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	Yes	-	-
15	Total Residual chlorine (TRC)	Yes	-	-
(ii) Trace Metals Tests				
1	Aluminium (Al)	No	6 Months	Procurement initiated, Outsourced to Instrumental Lab at Central University Jammu
2	Arsenic (As) Total	No	6 Months	Procurement initiated, Outsourced to Instrumental Lab at Central University Jammu
3	Barium	No	6 Months	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	Procurement initiated, Outsourced to Instrumental Lab at Central University Jammu
8	Cobalt (Co)	No	6 Months	Procurement initiated, Outsourced to Instrumental Lab at Central University Jammu
9	Copper (Cu)	No	6 Months	Procurement initiated, Outsourced to Instrumental Lab at Central University Jammu
10	Iron (Fe)	Yes	-	-
11	Lead (Pb)	No	6 Months	Procurement initiated, Outsourced to Instrumental Lab at Central University Jammu
12	Manganese (Mn)	No	6 Months	Procurement initiated, Outsourced to Instrumental Lab at Central University Jammu
13	Mercury (Hg)	No	6 Months	Procurement initiated, Outsourced to Instrumental Lab at Central University Jammu
14	Nickel (Ni)	No	6 Months	Procurement initiated, Outsourced to Instrumental Lab at Central University Jammu
15	Potassium (K)	Yes	-	-
16	Sodium (Na)	Yes	-	-
17	Vanadium (V)	No	6 Months	Procurement initiated, Outsourced to Instrumental Lab at Central University Jammu
18	Zinc (Zn)	No	6 Months	Procurement initiated, Outsourced to Instrumental Lab at Central University Jammu
19	Selenium (Se)	No	6 Months	Procurement initiated, Outsourced to Instrumental Lab at Central University Jammu
(c) Organics (General) and Trace Organics Tests				
1	Biological Oxygen Demand (BOD)	Yes	-	-
2	Chemical oxygen demand (COD)	Yes	-	-
3	Oil & Grease	Yes	-	-
4	Phenolic Compounds as C ₆ H ₅ OH	No	6 Months	Outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar /NABL Accredited Labs
5	Benzopyrene	No	6 Months	Outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar /NABL Accredited Labs

6 Pesticides				
6.a Organochlorine Pesticides (OCPs) Tests				
i	Aldrin	No	6 Months	Outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar /NABL Accredited Labs
ii	Alpha Endosulphan	No	6 Months	Outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar /NABL Accredited Labs
iii	p,p'-DDT	No	6 Months	Outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar /NABL Accredited Labs
iv	Alpha-HCH	No	6 Months	Outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar /NABL Accredited Labs
v	Beta HCH	No	6 Months	Outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar /NABL Accredited Labs
vi	Beta Endosulphan	No	6 Months	Outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar /NABL Accredited Labs
vii	Gama-HCH	No	6 Months	Outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar /NABL Accredited Labs
viii	o,p'-DDT	No	6 Months	Outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar /NABL Accredited Labs
ix	p,p'-DDE	No	6 Months	Outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar /NABL Accredited Labs
6.b Organophosphorus Pesticides (OPPs) Tests				
i	Malathion	No	6 Months	Outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar /NABL Accredited Labs
ii	Methyl parathion	No	6 Months	Outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar /NABL Accredited Labs
iii	Chlorpyrifos	No	6 Months	Outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar /NABL Accredited Labs
iv	Dimethoate	No	6 Months	Outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar /NABL Accredited Labs
v	Dieldrin	No	6 Months	Outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar /NABL Accredited Labs
vi	Ethion	No	6 Months	Outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar /NABL Accredited Labs
(d) Microbiological Tests				
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
(e) Toxicological Tests				
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. Sample Matrix / Group of Solid / Solid Waste				
(a) Soil / Sediment / Compost Tests				
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) Hazardous Waste (Liquid / Slurry / Sludge / Solid / Semi-Solid) Tests				
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
C. Sample Matrix / Group of Analytes: Air				
(a) Ambient Air				
1	Nitrogen dioxide as NO2	Yes	-	-
2	Sulphur dioxide (SO2)	Yes	-	-
3	Particulate matter (PM10)	Yes	-	-
4	Particulate matter (PM2.5)	Yes	-	-
5	Carbon Monoxide	Yes	-	-
6	Ozone	Yes	-	-
7	Benzene	Yes	-	-
8	Ammonia	Yes	-	-
9	Metals in Particulate Matter, Pb	No	-	Outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar/NABL Accredited Labs and Instrumental Lab at Central University Jammu.
10	Metals in Particulate Matter, As	No	-	Outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar/NABL Accredited Labs and Instrumental Lab at Central University Jammu.
11	Metals in Particulate Matter, Ni	No	-	Outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar/NABL Accredited Labs and Instrumental Lab at Central University Jammu.
12	Particulate Benzo-a-Pyrene (BaP)	No	-	Outsourced to SKUAST (Research Centre for Residue and Quality Analysis) Shalimar Srinagar/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 to 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.

PART II: Details of Laboratory Infrastructure (Instruments and Equipment)

S. No.	Name of Instrument / Equipments	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)
A. List of Instruments / Equipment for Sampling of Water, Wastewater and Soil / Hazardous Wastes				
a) Mandatory Requirements				
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) Optional Requirements				
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. List of Instruments / Equipment for Sampling of Ambient Air and Source Emission monitoring

a) Mandatory Requirements

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) Optional Requirements

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, SO ₂ , NO, CO, NH ₃ , 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 PM ₁₀ & PM _{2.5} Monitoring Analyzer TEOM system	Yes	-	-
27	Top loading orifice kit for calibration of HVS	Yes	-	-
28	Permeation tubes (SO ₂ , NO-NO ₂ -NO _x , NH ₃ , 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	Yes	-	-
3	Analytical Balance 4/5 digit & 6 digit (Digital)	Yes	6 months	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	-	-
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	Specifications finalized, Procurement will be initiated, 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)	Yes	-	-
42	Dry & wet bulb Thermometer	Yes	-	-
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	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	-	-
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	Procurement initiated, Specifications finalized.
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 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 5th 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.

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The consent budget for **FY 2025-26** is **Rs.733.20 lakh**. The object head-wise is given as under-

#	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 for FY 2025-26
4.	Maintenance of Capital Assets	78.00	-
5.	Adv.& Publicity	15.00	-
6.	Miscellaneous OPEX	110.00	-
	Total	733.20	

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