



उत्तर प्रदेश प्रदूषण नियंत्रण बोर्ड
UTTAR PRADESH POLLUTION CONTROL BOARD

Ref. No. : H06311 /526/23 NGT BAN-693/2023

Date : 31-01-2024

To;
The Registrar,
National Green Tribunal,
Principal Bench,
New Delhi.
E-mail : judicial-ngt@gov.in

Subject: REPORT OF THE UTTAR PRADESH POLLUTION CONTROL BOARD IN COMPLIANCE TO THE ORDER DATED 23.11.2023 PASSED BY THE HON'BLE TRIBUNAL IN ORIGINAL APPLICATION NO. 693 OF 2023 IN RE: NEWS ITEM APPEARING IN DECCAN HERALD DATED 24.10.2023 TITLED "POLLUTION CONTROL BOARDS ARE THE WEAK LINK"

Sir,

That in pursuance to the order dated 24.10.2023 passed by this Hon'ble Tribunal regarding the subject matter the report of the Uttar Pradesh Pollution Control Board is filed before your with a request that the same may be placed before the Hon'ble National Green Tribunal for kind perusal and necessary action.

Encls.: As above

Your's Sincerely

Chief Environmental Officer (Admin.)

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL,
PRINCIPAL BENCH, NEW DELHI

Original Application No. 693 of 2023

IN THE MATTER OF:

In re: News item appearing in Deccan Herald dated 24.10.2023
titled "Pollution control boards are the weak link"

**REPORT ON BEHALF OF UTTAR PRADESH POLLUTION CONTROL
BOARD IN COMPLIANCE TO THE ORDER DATED 23.11.2023
PASSED BY HON'BLE TRIBUNAL.**

Sir,

The Uttar Pradesh Pollution Control Board most respectfully
showeth as under;

1- That vide its order dated 23.11.2023 this Hon'ble Tribunal has
passed the following directions;

.....
12. *The above respondents are directed to file their reports showing the sanctioned strength and working strength of staff in the concerned SPCBs/PCCs, CPCB the ratio of administrative, Ministerial and Technical staff in the SPCBs/PCCs, CPCB and the regulating and monitoring facilities which are available with the SPCBs/PCCs/CPCB. In respect of laboratories, the report will disclose the sanctioned strength and present working strength of staff, the infrastructure which is available in the labs and further need for equipment and infrastructure in those labs and the provisions made in laboratories for enforcement and monitoring of hotspots in critically polluted areas. The report should also include the availability of budget and its sources and expenditure in last two years (2020-2021 and 2021-2022). Let these reports be submitted within a period of 8 weeks.....*

2- That the details of sanctioned and working strength of staff including the ratio of administrative, ministerial and technical staff is enclosed herewith as **Annexure No.-1** to this report.

- 3- That the details regarding regulating and monitoring facilities available along with the sanctioned strength and present working strength of staff of labs is enclosed herewith as **Annexure No.-2** to this report.
- 4- That the details regarding infrastructure available in the labs and further need for equipment and infrastructure in labs is enclosed herewith as **Annexure No.-3** to this report.
- 5- That the provisions made in laboratories for enforcement and monitoring of hotspot in critically polluted areas is enclosed herewith as **Annexure No.-4** to this report.
- 6- That the details of availability of budget and its sources and expenditure in last two years i.e. 2020-2021 and 2021-2022 are enclosed herewith as **Annexure No.-5** and **Annexure No.-6** to this report, respectively.

Therefore, the report on behalf of the Uttar Pradesh Pollution Control Board is being filed for the perusal and consideration of this Hon'ble Tribunal.

Yours' Sincerely



Chief Environmental Officer (Admin.)

उ०प्र० प्रदूषण नियंत्रण बोर्ड में सृजित, कार्यरत एवं रिक्त पदों का समूहवार विवरण

क्रमांक	समूह का नाम	कुल स्वीकृत पद	कुल भरे पद	कुल रिक्त पद
1.	समूह-क	51	45	06
2.	समूह-ख	97	51	46
3.	समूह-ग	453	252	201
4.	समूह-घ	131	55	76
योग -		732	403	329

01.12.23

[Signature]
06/12/23

[Signature]
Hiwari, A.O.
06/12/2023

[Signature]
6/12/23

उत्तर प्रदेश प्रदूषण नियंत्रण बोर्ड में समूहवार सृजित, कार्यरत एवं रिक्त पदों का विवरण

(दिनांक 01-12-2023 की स्थिति के अनुसार)

क्र०सं०	पदनाम	सृजित पदों की संख्या	कार्यरत पदों की संख्या	रिक्त पदों की संख्या
समूह-“क”				
1.	मुख्य पर्यावरण अधिकारी	09	08	01
2.	मुख्य विधि अधिकारी	01	—	01
3.	वैज्ञानिक अधिकारी	09	08	01
4.	पर्यावरण अभियन्ता	28	27	01
5.	मुख्य लेखाधिकारी	01	—	01
6.	ज्येष्ठ लेखाधिकारी	01	—	01
7.	विधि अधिकारी-प्रथम	02	02	—
	योग —	51	45	06
समूह-“ख”				
1.	सहायक पर्यावरण अभियन्ता	54	27	27
2.	सहायक वैज्ञानिक अधिकारी	30	16	14
3.	लेखाधिकारी	03	03	—
4.	विधि अधिकारी-द्वितीय	06	02	04
5.	विशेषज्ञ/विशेष कार्याधिकारी	01	01	—
6.	प्रशासनिक अधिकारी	01	01	—
7.	निजी सचिव	01	—	01
8.	प्रोग्रामर ग्रेड-2	01	01	—
	योग —	97	51	46
समूह-“ग”				
1.	वैज्ञानिक सहायक	55	48	07
2.	प्रयोगशाला सहायक	39	38	01
3.	अनुश्रवण सहायक	49	22	27
4.	ज्येष्ठ लेखाकार	12	10	02
5.	लेखाकार	23	02	21
6.	विधि सहायक	05	—	05
7.	अवर अभियन्ता	69	08	61
8.	ज्येष्ठ मानचित्रकार	01	01	—
9.	निजी सहायक	12	12	—
10.	अनुभाग अधिकारी/ कार्यालय अधीक्षक	10	03	07
11.	ज्येष्ठ पुस्तकालयाध्यक्ष	01	—	01
12.	पुस्तकालयाध्यक्ष	01	—	01
13.	आशुलिपिक	29	02	27

14.	कम्प्यूटर आपरेटर ग्रेड-सी	10	10	—
15.	कम्प्यूटर आपरेटर ग्रेड-बी	06	03	03
16.	कम्प्यूटर आपरेटर ग्रेड-ए	12	07	05
17.	स्वागती	01	—	01
18.	वरिष्ठ लिपिक	26	23	03
19.	कनिष्ठ सहायक	69	47	22
20.	वाहन चालक, विशेष श्रेणी	02	02	—
21.	वाहन चालक, ग्रेड-1	03	03	—
22.	वाहन चालक, ग्रेड-2	04	04	—
23.	वाहन चालक, ग्रेड-3	06	06	—
24.	वाहन चालक, ग्रेड-4	07	—	07
25.	इलेक्ट्रिशियन	01	01	—
	योग —	453	252	201
समूह "घ"				
1.	फोटो स्टेट मशीन आपरेटर	01	—	01
2.	अर्दली (अध्यक्ष कैम्प)	01	—	01
3.	चपरासी (अध्यक्ष के साथ सम्बद्ध)	01	—	01
4.	दफ्तरी	01	—	01
5.	चपरासी	126	54	72
6.	क्लीनर	01	01	—
	योग —	131	55	76
	महायोग —	732	403	329

नोट :-

- शासन के पत्र दिनांक-13.04.2023 द्वारा प्रदान किये गये अनुमोदन के अनुपालन में बोर्ड की सेवा विनियमावली, 1995 में सृजित जन सम्पर्क अधिकारी के सीधी भर्ती के 01 रिक्त पद को आस्थगित करते हुये उसके सापेक्ष इ0 सचिन नारायण लाल को विशेषज्ञ/विशेष कार्याधिकारी (निसंवर्गीय) के अस्थायी पद पर 03 वर्ष की अवधि हेतु कार्यभार ग्रहण किये जाने की तिथि से का0आ0 दि0 25.04.2023 द्वारा 'बोर्ड' मुख्यालय, लखनऊ में प्रतिनियुक्ति के आधार पर नियुक्त किया गया। (कार्यभार ग्रहण दिनांक-01.05.2023)
- उपरोक्त विवरण में बोर्ड की प्रख्यापित सेवा विनियमावली, 1995 एवं शासन द्वारा समय-समय पर सृजित अस्थायी पदों, शासन द्वारा सृजित किये गये अस्थायी पद (जिनकी दिनांक 29.02.2024 तक निरन्तरता प्राप्त हैं) सम्मिलित है।
- उक्त के अतिरिक्त उ0प्र0 शासन द्वारा विश्व बैंक परियोजना के अन्तर्गत सृजित अस्थायी पदों पर नियुक्त/पदोन्नत 11 कार्मिक वर्तमान में कार्यरत हैं, जिनकी निरन्तरता प्रक्रियाधीन है।

01.12.23

06/12/23

06/12/2023

6/12/23

दिनांक 01.12.2023 की स्थिति के अनुसार उ0प्र0 प्रदूषण नियंत्रण बोर्ड में समूहवार स्वीकृत, कार्यरत एवं रिक्त (तकनीकी, प्रशासनिक एवं लिपिकवर्गीय) पदों का विवरण

क्र.सं.	पद	स्वीकृत पद	कार्यरत पद	रिक्त पद
समूह-"क" : (अ) तकनीकी				
1.	मुख्य पर्यावरण अधिकारी	09	08	01
2.	वैज्ञानिक अधिकारी	09	08	01
3.	पर्यावरण अभियन्ता	28	27	01
योग -		46	43	03
समूह-"क" : (ब) प्रशासनिक				
1.	मुख्य विधि अधिकारी	01	-	01
2.	मुख्य लेखाधिकारी	01	-	01
3.	ज्येष्ठ लेखाधिकारी	01	-	01
4.	विधि अधिकारी-प्रथम	02	02	-
योग -		05	02	03
समूह-"ख" : (अ) तकनीकी				
1.	सहायक पर्यावरण अभियन्ता	54	27	27
2.	सहायक वैज्ञानिक अधिकारी	30	16	14
3.	विशेषज्ञ/विशेष कार्याधिकारी	01	01	-
योग -		85	44	41
समूह-"ख" : (ब) प्रशासनिक				
1.	लेखाधिकारी	03	03	-
2.	विधि अधिकारी-द्वितीय	06	02	04
3.	प्रशासनिक अधिकारी	01	01	-
योग -		10	06	04
समूह-"ख" : (स) लिपिकवर्गीय				
1.	निजी सचिव	01	-	01
2.	प्रोग्रामर ग्रेड-2	01	01	-
योग -		02	01	01
समूह-"ग" : (अ) तकनीकी				
1.	वैज्ञानिक सहायक	55	48	07
2.	प्रयोगशाला सहायक	39	38	01
3.	अनुश्रवण सहायक	49	22	27
4.	अवर अभियन्ता	69	08	61
योग -		212	116	96
समूह-"ग" : (ब) प्रशासनिक				
1.	ज्येष्ठ लेखाकार/ज्येष्ठ लेखा परीक्षक	12	10	02
2.	लेखाकार/लेखा परीक्षक	23	02	21
3.	विधि सहायक	05	-	05
योग -		40	12	28

समूह-“ग” : (स) लिपिकवर्गीय				
1.	ज्येष्ठ मानचित्रकार	01	01	—
2.	निजी सहायक	12	12	—
3.	अनुभाग अधिकारी/कार्यालय अधीक्षक	10	03	07
4.	ज्येष्ठ पुस्तकालयाध्यक्ष	01	—	01
5.	पुस्तकालयाध्यक्ष	01	—	01
6.	आशुलिपिक	29	02	27
7.	कम्प्यूटर आपरेटर ग्रेड-सी	10	10	—
8.	कम्प्यूटर आपरेटर ग्रेड-बी	06	03	03
9.	कम्प्यूटर आपरेटर ग्रेड-ए	12	07	05
10.	स्वागती	01	—	01
11.	वरिष्ठ लिपिक	26	23	03
12.	कनिष्ठ सहायक	69	47	22
13.	वाहन चालक विशेष श्रेणी	02	02	—
14.	वाहन चालक ग्रेड-1	03	03	—
15.	वाहन चालक ग्रेड-2	04	04	—
16.	वाहन चालक ग्रेड-3	06	06	—
17.	वाहन चालक ग्रेड-4	07	—	07
18.	इलेक्ट्रिशियन	01	01	—
योग —		201	124	77
समूह-“घ” : (स) लिपिकवर्गीय				
1.	फोटो स्टेट मशीन आपरेटर	01	—	01
2.	अर्दली (अध्यक्ष कैम्प)	01	—	01
3.	चपरासी (अध्यक्ष के साथ सम्बद्ध)	01	—	01
4.	दफ्तरी	01	—	01
5.	चपरासी	126	54	72
6.	क्लीनर	01	01	—
योग —		131	55	76
महा योग —		732	403	329

नोट : 1. प्रशासनिक संवर्ग के पदों में विधि एवं लेखा के पद सम्मिलित है।

2. जन सम्पर्क अधिकारी के सीधी भर्ती के 01 रिक्त पद को आस्थगित करते हुये उसके सापेक्ष विशेषज्ञ/विशेष कार्याधिकारी (निसंवर्गीय) के अस्थायी पद पर 03 वर्ष की अवधि हेतु प्रतिनियुक्ति के आधार पर अधिकारी तैनात/कार्यरत हैं।





Annexure No.-2**Permanent Technical Staff**

S.No.	Post	Total Sanctioned	Present working Strength	Vacant Post
1	Chief Environmental Officer	09	08	01
2	Environmental Engineer	28	27	01
3	Scientific Officer	09	08	01
4	Assistant Environmental Engineer	54	27	27
5	Assistant Scientific Officer	30	16	14
6	Scientific Assistant	55	48	07
7	Junior Engineer	69	08	61
8	Laboratory Assistant	39	38	01
9	Monitoring Assistant	49	22	27

Technical Staff through National Mission for Clean Ganga/Outsourcing

S.No.	Post	Present working Strength
1	Junior Research Fellow (NET)	33
2	Junior Research Fellow	20 +
3	Junior Lab Assistant	22
4	Multi Tasking Staff	7
5	Field Assistant	15

Prasanna
S.A.

A.S.O.

Q. E.
C.M.

Annexure No.-3

Annexure-3

Sr. No.	Name of laboratory/ Regional Laboratories of UPPCB	Infrastructure available		EPA Recognition NABL Accreditation Status
		Parameter monitored	Instrument	
1	Central Laboratory, Lucknow	Colour, Total Suspended Solid(TSS), Total Dissolved Solid(TDS) Odor, Temperature, pH, Electric Conductivity (EC), Dissolved Oxygen(DO) Ammonical Nitrogen, Nitrate Nitrogen Nitrite Nitrogen Total Phosphate Calcium Magnesium, Total Hardness Total Acidity, Total Alkalinity, Sodium, Potassium, SAR Chloride, Sulphate, Sulphides, Biochemical Oxygen Demand(BOD), Chemical Oxygen Demand(COD), Fluoride, Boron, Total Coliform, Fecal Coliform, Pesticides; Aldrin/ dieldrin Alpha HCH, Beta HCH, Gamma-HCH "Lindane", Delta HCH, Chloropyriphos, DDT,(o,p and p,p- Isomers of DDT), Malathion, Methyle, Parathion, Endosulphon (Alpha, Beta), Anilofos Toxic Metals; As, Al, Cd, Co, Cu, Cr,Fe, Pb, Mn ,Hg, Ni, Zn, Polynuclear Aromatic Hydrocarbons(as PAH) Toxicity Characteristic Leaching Procedure(TCLP)	Colour Comparator, Ice Box, Physical, Conductivity meter, Turbidity Meter, Manual (Titration), Filtration assembly, Vacuum pump, Thermometers, Refrigerators, Analytical balance, Desiccators, Vis Spectrophotometer , UV-Vis Spectrophotometer, pH meter, Hot air Oven, BOD incubator, COD digester, condensers, Auto Dispenser, Digital Burette, Water Purification System, Distillation assembly, Flame Photometer, Muffle Furnace, Bacteriological Incubator, Water bath, Autoclave(2), Laminar Air Flow Bench, Microscope(100X) Rotary Evaporator, Gas Chromatograph(GC), TCLP Extractor Atomic Absorption Spectrometer (AAS)	EPA and NABL
2	Regional Laboratory, Bijnor	Colour, TSS, TDS Odor, Temp, pH EC, DO, Calcium, Magnesium, Total Hardness Chloride, BOD, COD,, Total Coliform, Fecal Coliform,	Colour Comparator, Ice Box, Physical, Conductivity meter, Manual (Titration), Filtration assembly, Vacuum pump, Thermometers, Refrigerators, Analytical balance, Desiccators, Vis-Spectrophotometer, pH meter, Hot air Oven, BOD incubator, COD digester, condensers, Auto Dispenser, Digital Burette, Water Purification, System, Distillation assembly, Flame Photometer, Muffle Furnace, Bacteriological Incubator, Water bath, Autoclave(2), Laminar Air Flow Bench, Microscope(100X)	NABL
3	Regional Laboratory, Ghaziabad	Colour, TSS, TDS Odor, Temp, pH, EC, DO Ammonical Nitrogen, Nitrate Nitrogen	Ice Box/s, -02, Conductivity, Filtration, meter-01, Turbidity Meter-01, DO Meter-02, BOD, Incubator-01,	NABL

		Nitrite Nitrogen, Total Phosphate Calcium Magnesium, Total Hardness Total Acidity, Total Alkalinity, Sodium, Potassium, Chloride, Sulphate, Sulphides, BOD, COD, Fluoride, Boron, Trace Metals Total Coliform, Fecal Coliform	Auto Dispenser-02, Digital, Burette-02, TKN Analyzer-01 Atomic Absorption Spectrometer	
4	Regional Laboratory, Bulandshahr	Colour, TSS, TDS Odor, Temp, pH, EC, DO Ammonical Nitrogen, Nitrate Nitrogen Nitrite Nitrogen, Total Phosphate Calcium Magnesium, Total Hardness Total Acidity, Total Alkalinity, Sodium, Potassium, Chloride, Sulphate, Sulphides, BOD, COD, Fluoride, Boron, Total Coliform, Fecal Coliform	Colour Comparator, Filtration assembly, Vacuum pump, Thermometers, Refrigerators, Analytical balance, Desiccators, Vis-Spectrophotometer, pH meter, Hot air Oven, BOD incubator, COD digester condensers, Auto Dispenser, Digital Burette, Water Purification, System Distillation assembly, Flame Photometer, Fluoride, Boron, Muffle Furnace Bacteriological Incubator, Water bath, Autoclave(2), Laminar Air Flow Bench, Microscope(100X)	NABL
5	Regional Laboratory, Kanpur	Colour, TSS, TDS Odor, Temp, pH, EC, DO Ammonical Nitrogen, Nitrate Nitrogen Nitrite Nitrogen, Total Phosphate Calcium Magnesium, Total Hardness Total Acidity, Total Alkalinity, Sodium, Potassium, SAR Chloride, Sulphate, Sulphides, BOD, COD, Fluoride, Boron, Total Coliform, Fecal Coliform Trace Metals	Colour Comparator, Ice Box/s, Filtration assembly, Vacuum pump, Thermometers, Refrigerators, Analytical balance, Desiccators, Vis-Spectrophotometer, pH meter, Hot air Oven, BOD incubator, COD digester condensers, Auto Dispenser, Digital Burette, Water Purification, System Distillation assembly, Flame Photometer, Muffle Furnace Bacteriological Incubator, Water bath, Autoclave(2), Laminar Air Flow Bench, Microscope(100X) Atomic Absorption Spectrometer	NABL
6	Regional Laboratory, Raebareli	Colour, TSS, TDS Odor, Temp, pH EC DO Turbidity, Ammonical Nitrogen, Nitrate Nitrogen, FDS, Total Phosphate Calcium Magnesium, Total Hardness Total Acidity, Total Alkalinity, Sodium, Potassium, Chloride, Sulphate, BOD, COD, Fluoride, Boron, Total Coliform, Fecal Coliform,	Colour Comparator, Ice Box, Filtration assembly, Vacuum pump, Thermometers, Refrigerators, Analytical balance, Desiccators, Vis-Spectrophotometer, pH meter, Hot air Oven, BOD incubator, COD digester condensers, Auto Dispenser, Digital Burette, Water Purification, System Distillation assembly, Flame Photometer, Muffle Furnace Bacteriological Incubator, Water bath, Autoclave(2), Laminar Air Flow Bench, Microscope(100X)	NABL
7	Regional Laboratory, Prayagraj	Colour, TSS, TDS Odor, Temp, pH EC DO Tubidity, Ammonical Nitrogen, Nitrate Nitrogen, Total kejdol Nitrogen, FDS, Total Phosphate Calcium Magnesium, Total Hardness Total Acidity, Total	Colour Comparator, Ice Box, Filtration assembly, Vacuum pump, Thermometers, Refrigerators, Analytical balance, Desiccators, Vis-Spectrophotometer, pH meter, Hot air Oven, BOD incubator, COD digester condensers, Auto Dispenser,	NABL

		Alkalinity , Sodium, Potassium, Chloride, Sulphate, BOD, COD, Fluoride, Boron, Total Coliform, Fecal Coliform,	Digital Burette, Water Purification, System, Distillation assembly, Flame Photometer, Muffle Furnace Bacteriological Incubator, Water bath, Autoclave(2), Laminar Air Flow Bench, Microscope(100X) Atomic Absorption Spectrometer	
8	Regional Laboratory, Varanasi	Colour, TSS, TDS Odor, Temp, pH EC DO Ammonical Nitrogen, Nitrate Nitrogen Nitrite Nitrogen, Total Phosphate Calcium Magnesium, Total Hardness Total Acidity, Total Alkalinity, Chloride, Sulphate, Sulphides, BOD, COD, Fluoride, Boron, Total Coliform, Fecal Coliform,	Colour Comparator, Ice Box, Filtration assembly, Vacuum pump, Thermometers, Refrigerators, Analytical balance, Desiccators, Vis-Spectrophotometer, pH meter, Hot air Oven, BOD incubator, COD digester condensers, Auto Dispenser, Digital Burette, Water Purification, System, Distillation assembly, Flame Photometer, Muffle Furnace Bacteriological Incubator, Water bath, Autoclave(2), Laminar Air Flow Bench, Microscope(100X)	NABL
9	Regional Laboratory, Noida	Colour, TSS, TDS, TS Odor, Temp, pH EC DO, Turbidity, Ammonical Nitrogen, Nitrogen , Total Phosphate Calcium Magnesium, Total Hardness, Total Alkalinity, Chloride, Sulphate,	Colour Comparator, Ice Box, Filtration assembly, Vacuum pump, Thermometers, Refrigerators, Analytical balance, Desiccators, Vis-Spectrophotometer, pH meter, Hot air Oven, BOD incubator, COD digester condensers, Auto Dispenser, Digital Burette, Water Purification, System Distillation assembly, Flame Photometer, Muffle Furnace	NABL
10	Regional Laboratory, Meerut	Colour, TSS, TDS Odor, Temp, pH EC DO Ammonical Nitrogen, Nitrate Nitrogen Total Phosphate Calcium Magnesium, Total Hardness Total Acidity, Total Alkalinity, Sodium, Potassium, Chloride, Sulphate, Sulphides, BOD, COD, Fluoride, Boron, Total Coliform, Fecal Coliform,	Colour Comparator, Ice Box, Filtration assembly, Vacuum pump, Thermometers, Refrigerators, Analytical balance, Desiccators, Vis-Spectrophotometer, pH meter, Hot air Oven, BOD incubator, COD digester condensers, Auto Dispenser, Digital Burette, Water Purification, System, Distillation assembly, Flame Photometer, Muffle Furnace Bacteriological Incubator, Water bath, Autoclave(2), Laminar Air Flow Bench, Microscope(100X)	NABL
11	Regional Laboratory, Moradabad	Colour, TSS, TDS Odor, Temp, pH, EC, DO, BOD, COD, Calcium ,Magnesium, Total Hardness, Total Alkalinity, Chloride, BOD, COD, Total Coliform, Fecal Coliform	Colour Comparator, Ice Box, Filtration assembly, Vacuum pump, Thermometers, Refrigerators, Analytical balance, Desiccators, Vis-Spectrophotometer, pH meter, Hot air Oven, BOD incubator, COD digester condensers, Auto Dispenser, Digital Burette, Water Purification, System/ Distillation assembly, Flame Photometer, Muffle Furnace Bacteriological Incubator, Water bath, Autoclave(2), Laminar Flow Bench, Microscope(100X)	NABL
12	Regional	Colour, TSS, TDS Odor, Temp,	Colour Comparator, Ice Box/,	NABL

	Laboratory, Gorakhpur	pH EC DO Ammonical Nitrogen, Nitrate Nitrogen , Nitrite Nitrogen .Total Phosphate, Calcium Magnesium, Total Hardness Total Acidity, Total Alkalinity, Sodium, Potassium, Chloride, Sulphate, Sulphides, BOD, COD, Fluoride, Boron, Total Coliform, Fecal Coliform,	Filtration assembly, Vacuum pump, Thermometers, Refrigerators, Analytical balance, Desiccators, Vis-Spectrophotometer, pH meter, Hot air Oven, BOD incubator, COD digester condensers, Auto Dispenser, Digital Burette, Water Purification, System Distillation assembly, Flame Photometer, Muffle Furnace Bacteriological Incubator, Water bath, Autoclave(2), Laminar Flow Bench, Microscope(100X)	
13	Regional Laboratory, Saharanpur	Colour, TSS, TDS Odor, Temp, pH, EC, DO, BOD, COD, Calcium , Magnesium, Total Hardness, Total Alkalinity, Chloride, BOD, COD, Total Coliform, Fecal Coliform	Colour Comparator, Ice Box, Filtration assembly, Vacuum pump, Thermometers, Refrigerators, Analytical balance, Desiccators, Vis-Spectrophotometer, pH meter, Hot air Oven, BOD incubator, COD digester condensers, Auto Dispenser, Digital Burette, Water Purification, System/ Distillation assembly, Flame Photometer, Muffle Furnace Bacteriological Incubator, Water bath, Autoclave(2), Laminar Flow Bench, Microscope(100X)	NO
14	Regional Laboratory, Jhansi	Colour, TSS, TDS Odor, Temp, pH, EC, DO BOD, COD, Calcium, Magnesium, Total Hardness, Total Alkalinity. Sodium, Potassium, Chloride, BOD, COD, Total Coliform, Fecal Coliform	Colour Comparator, Ice Box, Filtration assembly, Vacuum pump, Thermometers, Refrigerators, Analytical balance, Desiccators, Vis-Spectrophotometer, pH meter, Hot air Oven, BOD incubator, COD digester condensers, Auto Dispenser, Digital Burette, Water Purification, System/ Distillation assembly, Flame Photometer, Muffle Furnace Bacteriological Incubator, Water bath, Autoclave(2), Laminar Flow Bench, Microscope(100X)	NO
15	Regional Laboratory, Agra	Colour, TSS, TDS Odor, Temp, pH, EC, DO BOD, COD, Calcium Magnesium, Total Hardness, Turbidity, Chloride, BOD, COD, Total Coliform, Fecal Coliform	Colour Comparator, Ice Box, Filtration assembly, Vacuum pump, Thermometers, Refrigerators, Analytical balance, Desiccators, Vis-Spectrophotometer, pH meter, Hot air Oven, BOD incubator, COD digester condensers, Auto Dispenser, Digital Burette, Water Purification, System/ Distillation assembly, Flame Photometer, Muffle Furnace Bacteriological Incubator, Water bath, Autoclave(2), Laminar Flow Bench, Microscope(100X)	NO
16	Regional Laboratory, Mathura	Colour, TSS, TDS Odor, Temp, pH, EC, DO, BOD, COD, Calcium Magnesium, Total Hardness, Total Alkalinity. Chloride, BOD, COD, Total Coliform, Fecal Coliform	Colour Comparator, Ice Box, Filtration assembly, Vacuum pump, Thermometers, Refrigerators, Analytical balance, Desiccators, Vis-Spectrophotometer, pH meter, Hot air Oven, BOD incubator, COD digester condensers, Auto Dispenser,	NO

			Digital Burette, Water Purification, System/ Distillation assembly, Flame Photometer, Muffle Furnace Bacteriological Incubator, Water bath, Autoclave(2), Laminar Flow Bench, Microscope(100X)	
17	Regional Laboratory, Aligarh	Colour, TSS, TDS Odor, Temp, pH, EC, DO, BOD, COD, Calcium Magnesium, Total Hardness, Total Alkalinity. Chloride, BOD, COD, Total Coliform, Fecal Coliform	Colour Comparator, Ice Box, Filtration assembly, Vacuum pump, Thermometers, Refrigerators, Analytical balance, Desiccators, Vis-Spectrophotometer, pH meter, Hot air Oven, BOD incubator, COD digester condensers, Auto Dispenser, Digital Burette, Water Purification, System/ Distillation assembly, Flame Photometer, Muffle Furnace Bacteriological Incubator, Water bath, Autoclave(2), Laminar Flow Bench, Microscope(100X)	NO
18	Regional Laboratory, Bareilly	Colour, TSS, TDS Odor, Temp, pH, EC, DO, BOD, COD, Calcium Magnesium, Total Hardness, Total Alkalinity. Chloride, Sulphate, Total Coliform, Fecal Coliform	Colour Comparator, Ice Box/, Filtration assembly, Vacuum pump, Thermometers, Refrigerators, Analytical balance, Desiccators, Vis-Spectrophotometer, pH meter, Hot air Oven, BOD incubator, COD digester condensers, Auto Dispenser, Digital Burette, Water Purification, System/ Distillation assembly, Flame Photometer, Muffle Furnace, Bacteriological Incubator, Water bath, Autoclave(2), Laminar Flow Bench, Microscope(100X)	NO
19	Regional Laboratory, Muzaffar nagar	Colour, TSS, TDS Odor, Temp, pH, EC, DO Calcium Magnesium, Total Hardness Total Alkalinity. Chloride, Sulphate, BOD, COD, Total Coliform, Fecal Coliform	Colour Comparator, Ice Box/, Filtration assembly, Vacuum pump, Thermometers, Refrigerators, Analytical balance, Desiccators, Vis-Spectrophotometer, pH meter, Hot air Oven, BOD incubator, COD digester condensers, Auto Dispenser, Digital Burette, Water Purification, System/ Distillation assembly, Flame Photometer, Muffle Furnace, Bacteriological Incubator, Water bath, Autoclave(2), Laminar Flow Bench, Microscope(100X)	NO
20	Regional Laboratory, Ayodhya	TSS, TDS Odor, Temp, pH, EC, DO BOD, COD Total Hardness Chloride, BOD, COD	Colour Comparator, Ice Box/, Filtration assembly, Vacuum pump, Thermometers, Refrigerators, Analytical balance, Desiccators, Vis-Spectrophotometer, pH meter, Hot air Oven, BOD incubator, COD digester condensers, Auto Dispenser, Digital Burette, Water Purification, System/ Distillation assembly, Flame Photometer, Muffle Furnace,	NO
21	Regional Laboratory, Unnao	Colour, TSS, TDS Odor, Temp, pH, EC, DO Calcium Magnesium, Total Hardness	Colour Comparator, Ice Box/, Filtration assembly, Vacuum pump, Thermometers, Refrigerators,	NO

		Total Alkalinity., BOD, COD, Total Coliform, Fecal Coliform	Analytical balance, Desiccators, Vis-Spectrophotometer, pH meter, Hot air Oven, BOD incubator, COD digester condensers, Auto Dispenser, Digital Burette, Water Purification, System/ Distillation assembly, Flame Photometer, Muffle Furnace, Bacteriological Incubator, Water bath, Autoclave(2), Laminar Flow Bench, Microscope(100X)	
22	Regional Laboratory, Sonebhadra	Colour, TSS, TDS Odor, Temp, pH, EC, DO BOD, COD,	Ice Box/, Filtration assembly, Vacuum pump, Thermometers, Refrigerators, Analytical balance, Desiccators, Vis-Spectrophotometer, pH meter, Hot air Oven, BOD incubator, COD digester condensers, Auto Dispenser, Digital Burette, Water Purification, System/ Distillation assembly, Flame Photometer, Muffle Furnace,	NO

Pesticides: Aldrin/Dieldrin, Alpha, HCH, Beta HCH, Gamma-HCH (Lindane), Delta HCH, Chlorpyrifos, DDT (o,p and p,p-Isomers of DDT), (Alpha and beta), Ethion, Malathion, Methyl parathion, Pesticides: Alachlor, Atrazine, Butachlor, 2,4-Dichlorophen oxyacetic acid, DDE and DDD, Endosulfan (Sulphate), Isoproturon, Monocrotophos, Phorate	Rotary Evaporator, GC-MS	required	Yes	No	No
			No	No	Yes
Toxic Metals : As, Al, Cd, Co, Cu, Cr, Fe, Pb, Mn, Hg, Ni, Zn Toxic Metals : Ag, Mo, Se Polynuclear Aromatic Hydrocarbons (as PAH),	ICP-OES/ICP-MS	required	Yes	No	No
			No	No	Yes
Polynuclear Aromatic Hydrocarbons (as PAH),	GC, GC, MC	required	No	No	Yes
			No	No	Yes

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S.A.

**Regional Laboratory,
U.P. Pollution Control Board,
Bijnor**

Laboratory's Requirement		SPCBs/PCCs Lab's Status			Gap Observed	
Parameters to be monitored	Infrastructure and capabilities required Instrument/ equipment	Manpower	Parameters Monitored	Instrument/ equipment Available		Present Man power
Colour	Ice Box/s, Filtration assembly, Vacuum pump, Thermometer/s, Refrigerator/s,	> Lab Head-01 (M.Sc. (Env. Sc., Chem.) > Env. Scientist-01 (M.Sc. (Env. Sc., Chem.) > SA-01 (B.Sc./M.Sc. (SC.), > LA-01 (SC.), > MTS-01	Yes	Colour Comparator	Lab Head- Vijay (R.O.) (B.Tech Civil Eng.)	
TSS			Yes	Analytical balance, Desiccator, Hot air Oven,	S.A.-Suresh Kumar (S.A.) (B.Sc-Math, Physics)	
TDS			Yes	Analytical balance, Desiccator, Hot air Oven,	JRF-04 Subash Chandra Gautam (M.Sc-Environmental Microbiology, CSIR NET),	
Odour			Yes	Physical	Narayan Dutt Pathak (M.Sc-Biotechnology, CSIR NET)	
Temperature			Yes	Thermometer/s		
pH			Yes	pH meter		
Electrical conductivity (EC)			Yes	Conductivity meter	Abhishek rajput (M.Sc-Industrial Chemistry)	
Dissolved oxygen (DO)			Yes	Manual (Titration)	Tanu Chauhan (M.Sc-Chemistry)	
Ammoniacal Nitrogen			No	--		

Nitrate nitrogen	System/Distillation assembly, Flame Photometer, Muffle furnace	No	--	J.L.A.-02 Gajendra Singh (B.Sc-Chemistry, Maths) Saunnya Srivastava (M.Sc-Extension Education) MTS-02 Ajcet Kumar (B.Sc-Chemistry, Maths) Traushi Singh (B.Sc-Biology) F.A.-04 Anuj Kumar Singh (M.A, L.L.B.) Vivek Tripathi (B.Sc-Agriculture) Rajni Kumar (B.Sc-Science) Sujit (B.A.) Lab Attendant Sufal Vaidh intermediate	
Nitrite nitrogen		No	--		
Total Phosphate		No	--		
Calcium		Yes	Manual (Titration)		
Magnesium		Yes	Manual (Titration)		
Total Hardness		Yes	Manual (Titration)		
Total Acidity		No	--		
Total Alkalinity		No	--		
Sodium		No	--		
Potassium		No	--		
Chloride		Yes	Manual (Titration)		
Sulphate		No	--		
BOD		Yes	BOD incubator (Titration)		
COD		Yes	COD digester condensers (Titration)		
Fluoride	No	--			
Boron	No	--			

<p>Total Coliform</p>	<p>Bacteriological Incubator, Water bath, Autoclave (02 Nos.) Laminar Flow Bench, Microscope (100X)</p>		<p>Yes</p>	<p>Bacteriological Incubator, Water bath, Autoclave (02 Nos.) Laminar Flow Bench, Microscope (100X)</p>		
<p>Faecal Coliform</p>		<p>▷ SA-01 (B.Sc/M.Sc., o.)</p>	<p>Yes</p>	<p>Bacteriological Incubator, Water bath, Autoclave (02 Nos.) Laminar Flow Bench, Microscope (100X)</p>		

Parameters to be monitored	Infrastructure and capabilities required		SPCBs/PCCs's Status		Present Man Power	Gap Observed
	Instruments/ Equipment	Manpower	Parameters Monitored	Infrastructure and capabilities required		
Colour	Ice Box/s, -02,	Scientific Assistant (S.A) - 01	Yes	No	Scientific Officer (S.O) - 01	No
TSS	Conductivity meter-01,	Lab Assistant (L.A)- 02	Yes	No	Scientific Assistant (S.A) - 03	No
TDS	Turbidity Meter-01	MTS - 01	Yes	No	Lab Assistant (L.A)- 02	No
Odour	DO Meter-02,		Yes	No	Monitoring Assistant (MA) - 01	No
Temperature	pH		Yes	No	Junior Research fellow (J.R.F)- 06	No
Electrical Conductivity	BOD		Yes	No		No
Dissolved Oxygen (DO)	Incubator-01, Auto Dispenser-02,		Yes	No		No
Ammonical Nitrogen	Digital Burette-02		Yes	No		No
Nitrate Nitrogen	TKN Analyzer-01		Yes	No		No
Nitrite Nitrogen			Yes	No		No
Total Phosphate			Yes	No		No
Calcium			Yes	No		No
Magnesium			Yes	No		No
Total Hardness			Yes	No		No
Total Acidity			Yes	No		No
Total Alkalinity			Yes	No		No
Sodium			Yes	No		No
Potassium			Yes	No		No
Chloride			Yes	No		No
Sulphate			Yes	No		No
BOD			Yes	No		No
COD			Yes	No		No
Fluoride			Yes	No		No
Boron			Yes	No		No
Total Coliform		Scientific Assistant (S.A) - 01	Yes	No		No
Faecal Coliform			Yes	No		No

Note:- Amendment copy

for
20/11/23
S.A.

Regional Lab, Bulandshahr, UP

Parameters To be monitored	Laboratory's Requirement and capabilities		SPCBs/PCCs Lab's Status		Gap Observed	
	Infrastructure and equipment required	Manpower	Parameters Monitored	Instrument/equipment Available		Present Manpower
Colour	Ice Box/s, Filtration assembly,	> Lab Head-01 (M.Sc. (Env. Sc., Chem.),	✓	Filtration assembly,	MTS-01	Instrumental - Ice box.
TSS			✓	Assembly,		AO meter
TDS			✓	Vacuum pump		
Odour			✓	Refrigerator		Man power - Lab Env. Scientist
Temperature			✓	Refrigerator		SR, LA
pH			✓	Balances, Desiccator, Vis-Spectro		
electrical conductivity (EC)			✓	UV-Vis Spectro		
Dissolved oxygen (DO)	Analytical balance, Desiccator, Vis-Spectrophotometer,	> SA-01 (B.Sc./M. Sc. (Sc.),	✓	pH meter		
Ammoniacal Nitrogen			✓	Conductivity		
Nitrate nitrogen			✓	Hot Air Oven		
Nitrite nitrogen,			✓	AO digester		
Total Phosphate			✓	Condensers		
Calcium			✓			
Magnesium			✓			
Total Hardness			✓			
Total Acidity			✓			

CENTRAL POLLUTION CONTROL BOARD
(MINISTRY OF ENVIRONMENT & FORESTS)
 *Parivesh Bhawan, East Arjun Nagar
 Delhi - 110 032

GAP EVALUATION OF SPCBs/PCCs LABORATORY

- 1 Name of SPCB/PCC:- UTTAR PRADESH POLLUTION CONTROL BOARD
- 2 Nos. of Labs in SPCBs/PCCs:-
 a) District Labs:
 b) Regional Labs: UTTAR PRADESH POLLUTION CONTROL BOARD, KANPUR NAGAR
 c) Central Labs:
- 3 Laboratory requirement (Infrastructure and capabilities) to perform the water quality assessment under NWQMP for different
- a) District level lab

Laboratory's Requirement			SPCBs/PCCs Lab's Status			Gap Observed (For CPCB use only)
Parameters To be monitored	Infrastructure and capabilities required		Parameters being analysed	Instrument /equipment Available	Present Man Power	
	Instrument /equipment	Man-power				
Colour	ICE Box/s, Filtration assembly Vacuum pump, Thermometer/s, Refrigerator/s, Analytical balance, Desiccator spectrophotometer, photometer Conductivity meter, DO meter, Hot air Oven, Auto Dispenser, Digital Burette, Water Purification System, Distillation assembly, BOD incubator COD digester Auto Dispenser, Digital Burette, Water Purification System/Distillation assembly, Flame Photometer, Muffle Furnace	Lab Head-01 (M.Sc. (Env. Sc. Chem)),	Yes	Yes	Regional officer-01 Scientific Assistant-01 Monitoring Assistant-03 Lab Assistant-01 Junior Research Fellow-05 MTS-02	
TSS			Yes	Yes		
TDS			Yes	Yes		
Odour			Yes	Yes		
Temperature		Env. Scientist-01 (M.Sc. (Env. Sc. Chem)),	Yes	Yes		
pH			Yes	Yes		
Electrical Conductivity (EC)		SA-01 (B.Sc./M.Sc. (Sc.)),	Yes	Yes		
Dissolved oxygen (DO)			Yes	Yes		
Calcium			Yes	Yes		
Magnesium		LA-01 (Sc.)	Yes	Yes		
Total Hardness			Yes	Yes		
Total Acidity			Yes	Yes		
Total alkalinity			Yes	Yes		
chloride		MTS-01	Yes	Yes		
Sulphate			Yes	Yes		
BOD			Yes	Yes		
COD			Yes	Yes		
Ammoniacal Nitrogen			Yes	Yes		
Nitrate Nitrogen			Yes	Yes		
Nitrite Nitrogen			Yes	Yes		
Total phosphate	Yes		Yes			
Total alkalinity	Yes		Yes			
Sodium	Yes		Yes			
Potassium	Yes		Yes			
Fluoride	Yes		Yes			
Boron	Yes	Yes				
Total Coliform	Bacteriological Incubator, Waterbath, Autoclave (02 Nos.), Laminar Flow Bench, Microscope (100X)	SA-01 (B, Sc./M.Sc., (Env. Sc./Micro)	Yes	Yes	Junior Research Fellow-03	
Faecal Coliform			Yes	Yes		

CENTRAL POLLUTION CONTROL BOARD
(MINISTRY OF ENVIRONMENT & FORESTS)
'Parivesh Bhawan', East Arjun Nagar
Delhi- 110 032

GAP EVALUATION OF SPCBS/PCCs LABORATORY

Name of SPCB/PCC:- Uttar Pradesh Pollution Control Board, Raebareli

No. of Laboratory in SPCB/PCC:-

- a. District Labs:-00
- b. Regional Labs:-01
- c. Central Labs:-00

Laboratory requirement (infrastructure and capabilities) to perform the water quality assessment under NWQMP for different labs of SPCBs/PCCs:

a. Regional Labs:-

Parameters to be monitored	Laboratory requirement		SPCBS/PCCs Status			Gap observed
	Infrastructure and capabilities required	Infrastructure/Equipment	Parameters monitored	Infrastructure/Equipm ent available	Present Manpower	
Colour	Ice Box/S, Filtration	➤ Lab Head 01	✓	Ice Box/S, Filtration	Lab Head 01 (M.Sc.- Env.Sc, Chemistry)	Env. Scientist-00 (M.Sc.- Env.Sc, Chemistry)
TSS	Assembly, Vacuum Pump, Thermometer/S,	(M.Sc.- Env.Sc, Chemistry)	✓	Assembly, Vacuum Pump, Thermometer/S,	Env.Sc, Chemistry)	(M.Sc.- Env.Sc, Chemistry)
TDS	Refrigerator/S	➤ Env. Scientist-01 (M.Sc.- Env.Sc, Chemistry)	✓	Refrigerator/S	Env. Scientist-00	Chemistry)
Odour	Analytical Balance, Desiccator, Vis-	01 (M.Sc.- Env.Sc, Chemistry)	✓	Analytical Balance, Desiccator, Vis-	(M.Sc.- Env.Sc, Chemistry)	
Temperature	Spectrophotometer, UV-Vis Spectrophotometer, Ph	S.A.-01 (B.Sc. M.Sc.- Sc.)	✓	Spectrophotometer, UV-Vis Spectrophotometer,	S.A.-03 (B.Sc. M.Sc.- Sc.)	LA-0 (Sc.)
pH	Meter, Conductivity Meter, DO Meter, Hot Air Oven,	LA-01 (Sc.)	✓	Ph Meter, Conductivity Meter, Hot Air Oven,	LA-0 (Sc.)	
Electrical	BOD Incubator, COD	➤ MTS-01	✓	BOD Incubator, COD	MTS-0	
conductivity (EC)	Digester, Condensers, Auto		✓	Digester, Condensers,		
Dissolve Oxygen (DO)						
Ammonical Nitrogen						

Nitrate Nitrogen	Dispenser, Digital Burette,	✓		Auto Dispenser, Digital	JRF-03 (M.Sc.- Env.	MTS-0
Nitrite Nitrogen	Water Purification System/ Distillation Assembly,	✓	> JRF (M.Sc.- :- Env.Sc,	Burette, Water	Sc, Chemistry,	
Total phosphate	Flame Photometer, Muffle Furnace	✓	Chemistry, Zoology, Microbiology)	Purification System, Flame Photometer, Muffle Furnace	Zoology, Microbiology)	
Calcium		✓	> JLA- (Sc.)		JLA- 01 (Sc.)	
Magnesium		✓	> FA- High School			
Total hardness		✓	> Lab.			
Total acidity		✓	Attendant- High School		FA- 02 High School	
Total alkalinity		✓				
Sodium		✓				
Potassium		✓				
Chloride		✓				
Sulphate		✓				
BOD		✓			Lab. Attendant-03 High School	
COD		✓				
Fluoride		✓				
Boron		✓				
Total Coliform	Incubator, Water Bath,	✓	> SA-01	Incubator, Water Bath,	SA-0	SA-0
Faecal Coliform	Autoclave, Laminar Air Flow, Bench Microscope	✓	(B.Sc./M.Sc./Env .Sc./Micro.) JRF- (M.Sc.- Env. Sc, Microbiology)	Autoclave, Laminar Air Flow, Bench Microscope	(B.Sc./M.Sc./Env.Sc. /Micro.) JRF-01 (M.Sc.- Env. Sc, Microbiology)	(B.Sc./M.Sc./Env.S c./Micro.)

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CENTRAL POLLUTION CONTROL BOARD
(MINISTRY OF ENVIRONMENT & FORESTS)
"Parivesh Bhawan", East Arjun Nagar
Delhi - 110 032

GAP EVALUATION OF SPCBs/PCCs LABORATORY

- 1- Name of SPCB/PCC:-
- 2- Nos. of Labs in SPCBs/PCCs:-
 - a) District Labs:
 - b) Regional Labs:
 - c) Central Labs:

Regional Office, U.P. Pollution Control Board, Prayagraj

UPPCB, Prayagraj

- 3- Laboratory requirement (Infrastructure and capabilities) to perform the water quality assessment under NWQMP for different labs of SPCBs/PCCs:-

b) Regional lab

Laboratory's Requirement			SPCBs/PCCs Lab's Status			Gap Observed (For CPCB use only)
Parameters To be monitored	Infrastructure and capabilities required		Parameters Monitored	Instrument /equipment Available	Present Man Power	
	Instrument /equipment	Man Power				
Colour			Colour			
TSS	Ice Box/s,		TSS	Ice Boxes,		
TDS	Filtration assembly,		TDS	Filtration assembly,		
Odour	Vaccum pump,		Odour	Vaccum pump,		
Temperature	Thermameter/s		Temperature	Thermameters,		
pH			pH			

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Electrical conductivity (EC)	Refrigerator/s, Analytical Balance, Dessicator, Vis- spectrophotomete r, UV-VIS- Spectrophotomete r, pH meter, Conductivity meter, DO meter, Hot Air Oven, BOD incubater, COD digester condensers, Auto Dispenser, Digitel Burette, Water purification System/Distillatio n assembly, Flame photometer, Muffle furnace	<ul style="list-style-type: none"> ▶ Lab Head-01 (M.Sc.Env.Sc., Chem.) ▶ Env. Scientist-01 (M.Sc.(Env.Sc., Chem.) ▶ SA-01 (B.Sc./M.Sc.(Sc.)) ▶ LA-01 (Sc.) ▶ MTS-01 	Electrical conductivity (EC)	Refrigerators, Analytical Balance, Dessicator, Vis- spectrophotomete r, UV-VIS- Spectrophotomete r, pH meter, Conductivity meter, DO meter, Hot Air Oven, BOD incubater, COD digester condensers, Auto Dispenser, Digitel Burette, Water purification System/Distillatio n assembly, Flame photometer, Muffle furnace, Turbidity Meter	<ul style="list-style-type: none"> ▶ SA-02 ▶ Lab. Assistant-02 ▶ JRF-07 (1 of 7 JRF (M.Sc./Micro.)) ▶ JLA-02 ▶ FA-04 ▶ Lab attendant-03 ▶ MTS-01 ▶ Computer Operator-01 	
Dissolved Oxygen (DO)			Electrical conductivity (EC)			
Ammonical Nitrogen			Dissolved Oxygen (DO)			
Nitrate Nitrogen			Ammonical Nitrogen			
Nitrite Nitrogen			Nitrate Nitrogen			
Total Phosphate			--			
Calcium			Total Phosphate			
Magnesium			Calcium			
Total Hardness			Magnesium			
Total Acidity			Total Hardness			
Total Alkalinity			Total Acidity			
Sodium			Total Alkalinity			
Potassium			Sodium			
Chloride			Potassium			
Sulphate			Chloride			
BOD			Sulphate			
COD			BOD			
Fluoride	COD					
Boron	Fluoride					
	--					
	Turbidity					
	FDS					
	TKN					
Total Coliform	Bacteriological Incubator, Water bath, Autoclave (02 Nos.), Laminar Flow bench, Microscope (100X)	▶ SA-01 (B.Sc./M.Sc.(M.Sc./Micro.))	Total Coliform	Bacteriological Incubators, Water bath, Autoclave (02 Nos.), Laminar Flow bench, Microscope (100X)		
Fecal Coliform			Fecal Coliform			

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CENTRAL POLLUTION CONTROL BOARD
(MINISTRY OF ENVIRONMENT & FORESTS)
'PariveshBhawan', East Arjun Nagar
Delhi -110 032

GAP EVALUATION OF SPCBs/PCCs LABORATORY

1. Name of SPCB/PCC: - Uttar Pradesh Pollution Control Board
2. Nos. of Labs in SPCBs/PCCs: -
 - a) District Labs:
 - b) Regional Labs: Regional Laboratory, U. P. Pollution Control Board, Varanasi
 - c) Central Labs:
3. Laboratory requirement (Infrastructure and capabilities) to perform the water quality assessment under NWQMP for different labs of SPCBs/PCCs: -
 - b) Regional Lab.

Parameters to be Monitored	Laboratory Infrastructure and Capabilities required		SPCBs/PCCs Lab's Status			Gap observed (For CPCB use only)
	Instrument/Equipment Required	Man Power	Parameters being analyzed	Instrument/Equipment available	Present Man Power	
Colour	Flame Photometer-01	➤ Lab Head-01 (M.Sc. (Env. Sc., Chem.),	✓	Yes	Regional Officer -01 Scientific Assistant -02 Monitoring Assistant -01 Laboratory Assistant -02 Junior Research Fellow -06 MTS-01	
TSS			✓	Yes		
TDS		✓	Yes			
Odour		➤ Env. Scientist-01 (M.Sc. (Env. Sc., Chem.),	✓	Yes		
Temperature			✓	Yes		
pH		✓	Yes			
Electrical Conductivity (EC)		➤ SA-01	✓	Yes		

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JRF

Dissolved Oxygen (DO)		(B.Sc./M.Sc. (Sc.))	✓	Yes	
Ammoniacal Nitrogen		➤ LA-01 (Sc.),	✓	Yes	
Nitrate Nitrogen		➤ MTS-01	✓	Yes	
Nitrite Nitrogen			✓	Yes	
Total Phosphate			✓	Yes	
Calcium			✓	Yes	
Magnesium			✓	Yes	
Total Hardness			✓	Yes	
Total Acidity			✓	Yes	
Total Alkalinity			x	No	
Sodium			x	No	
Potassium			✓	Yes	
Chloride			✓	Yes	
Sulphate			✓	Yes	
BOD			✓	Yes	
COD			✓	Yes	
Fluoride			✓	Yes	
Boron			✓	Yes	
Total Coliform	Microscope (100X)	➤ SA-01 (B.Sc./M.Sc., (Env.Sc./Micro.))	✓	Yes	Junior Research Fellow -02 (Microbiologist)
Fecal Coliform			✓		

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**REGIONAL OFFICE
U.P. POLLUTION CONTROL BOARD
NOIDA**

**GAP EVALUATION OF SPCBS/PCCS LABORATORY
B. Regional Lab: U.P. Pollution Control Board, Noida**

Parameters to be Monitored	Laboratory's Requirement		Parameter Monitored	SPCBS/PCCs Lab's Status		Gap Observed (For CPCB use Only)
	Infrastructure and capabilities required	Manpower		Instrument/equipment Available	Percent Man Power	
Colour	●ICE Box/s, Filtration assembly, Vacuum pump, Thermometer/s, Refrigerator/s	● Lab Head-01 (M.Sc., Env. Sc., Chem.), ● Env. Scientist-01 (M.Sc., Env. Sc., Chem.), ● SA-01 (B.Sc., (Sc.))	pH, BOD, COD, TDS, TSS, TS, Colour, Conductivity	ICE Box, Filtration Assembly, Vacuum pump, Thermometer/s, Refrigerator/s	SA-01 (B.Sc.) LA-01 (Sc.) JRF-06	
TSS						
Temperature	Analytical balance, desiccators, Vis-Spectrophotometer, pH meter, Conductivity meter, DO meter, Hot air Oven, BOD incubator, COD digester condensers,	● SA-01 (B.Sc., (Sc.)) ● LA-01 (Sc.), ● MTS-01	DO, Ammoniacal Nitrogen, Phosphate, Calcium Magnesium, Total Hardness, Total Alkalinity, Chloride, Sulphate Turbidity, Nitrogen,	meter Hot Air Oven, BOD incubator, COD digester condensers, Distillation assembly, Bacteriological Incubator, Autoclave (01 Nos.)		
Conductivity (EC)						
Dissolved Oxygen (DO)	Analytical balance, desiccators, Vis-Spectrophotometer, pH meter, Conductivity meter, DO meter, Hot air Oven, BOD incubator, COD digester condensers,	● SA-01 (B.Sc., (Sc.)) ● LA-01 (Sc.), ● MTS-01	Magnesium, Total Hardness, Total Alkalinity, Chloride, Sulphate Turbidity, Nitrogen,	meter Hot Air Oven, BOD incubator, COD digester condensers, Distillation assembly, Bacteriological Incubator, Autoclave (01 Nos.)		
Ammoniacal Nitrogen						
Nitrate Nitrogen	Analytical balance, desiccators, Vis-Spectrophotometer, pH meter, Conductivity meter, DO meter, Hot air Oven, BOD incubator, COD digester condensers,	● SA-01 (B.Sc., (Sc.)) ● LA-01 (Sc.), ● MTS-01	Magnesium, Total Hardness, Total Alkalinity, Chloride, Sulphate Turbidity, Nitrogen,	meter Hot Air Oven, BOD incubator, COD digester condensers, Distillation assembly, Bacteriological Incubator, Autoclave (01 Nos.)		

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Nitrite Nitrogen,				
Total Phosphate				
Calcium				
Magnesium				
Total Hardness				
Total Acidity				
Total Alklnity				
Sodium				
Posassium				
Chloride				
Sulphate				
BOD				
COD				
Fluoride				
Boron				
Total Coliform				
Faecal Coliform				

Auto Dispenser, Digital Burette, Water Purification System/Distillation assembly, Flame Photometer, Muffle furnace

Bacteriological Incubator, Water Bath, Autoclave (02 Nos.), Laminar Flow Bench, Microscope(100x)

● SA-01 (B.Sc., M. Sc, (Evn.Sc./Micro.)

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S.A.

Total Alkalinity	Auto Dispenser, Digital Burette, Water	Total Alkalinity	Yes	
Sodium	Purification System/Distillati on assembly, Flame	Sodium	Yes	
Potassium Chloride	Photometer, Muffle furnace	Potassium chloride	Yes	
Sulphate		Sulphate	Yes	
BOD		BOD	Yes	
COD		COD	Yes	
Fluoride		Fluoride	Yes	
Boron		Boron	Yes	
Total Coliform	Bacteriological Incubator, Water bath, Autoclave (02 Nos.), Laminar Flow Bench, Microscope (100X)	Total Coliform	Yes	
Faecal Coliform		Faecal Coliform	Yes	

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b) Regional Lab *Meerut, UP*

Laboratory's Requirement		SPCBS/PCCS Lab's Status		Gap Observed	
Parameters To be monitored	Infrastructure and capabilities required	Manpower	Instrument/equipment Available		
Colour	Ice Box/s, Filtration assembly, Vacuum pump, Thermometer/s, Refrigerator/s, Analytical balance, Desiccator, Vis-Spectrophotometer, UV-Vis-Spectrophotometer, pH meter, Conductivity meter, DO meter, Hot air Oven, BOD incubator, COD digester condensers,	> Lab Head-01 (M.Sc. (Env. Sc., Chem.)), > Env. Scientist-01 (M.Sc. (Env. Sc., Chem.)), > SA-01 (B.Sc./M. Sc. (Sc.)), > LA-01 (Sc.), > MTS-01	Yes	JRF-3	
TSS			Yes	LA-1	
TDS			Yes	MTS-1	
Odour			Yes		
Temperature			Yes		
pH			Yes		
electrical conductivity (EC)			Yes		
Dissolved oxygen (DO)			Yes		
Ammoniacal Nitrogen			Yes		
Nitrate nitrogen			Yes		
Nitrite nitrogen,			-		
Total phosphate			Yes		
Calcium			Yes		
Magnesium			Yes		
Total Hardness			Yes		
Total Acidity	-				

Richa JRF

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Regional Laboratory Uttar Pradesh Pollution Control Board, Moradabad								
Laboratory's Requirement			SPCBs/PCCs Lab's Status			Gap Observed		
Parameters to be monitored	Infrastructure and capabilities required	Parameters Monitored	Parameters Monitored	Instrument/Equipment Available	Present Man Power	Parameters to be monitored	Instrument/Equipment	Manpower
	Instrument/Equipment	Manpower						
Colour	Ice Box/s, Filtration Assembly, Vacuum Pump, Thermometer/s, Refrigerator/s, Analytical Balance, Desiccator, Vis-Spectrophotometer, UV Vis-Spectrophotometer, pH meter, Conductivity meter, DO meter, Hot Air Oven, BOD incubator, COD digester, Condenseres, Auto Dispenser	Lab Head - 01 (M.Sc. Chemistry, Env. Sc.)	Colour	Ice Box/s, Filtration Assembly, Vacuum Pump, Thermometer/s, Refrigerator/s, Analytical Balance, Desiccator, pH meter, Conductivity meter, Hot Air Oven, BOD incubator, COD digester, Auto Dispenser	Lab Head - 01 (B.Tech)	-	Vis-Spectrophotometer, UV Vis-Spectrophotometer, DO meter, Condenseres, DO meter, UV Vis-Spectrophotometer (Not Working)	Env. Scientist - 01 (M.Sc.)
TSS			TSS			-		
TDS			TDS			-		
Odour			Odour			-		
Temperature			Temperature			-		
pH		pH	-					
Electrical Conductivity (EC)		Env. Scientist - 01 (M.Sc.)	Electrical Conductivity (EC)		-			
Dissolved Oxygen (DO)		SA-01 (B.Sc/M.Sc Sc.)	Dissolved Oxygen (DO)		-			
Ammonical Nitrogen		LA -01 (Sc.)	-		-			
Nitrate Nitrogen		MTS - 01	-		-			
Nitrite Nitrogen		-	-		-			
Total Phosphate		-	-		-			
Calcium		-	Calcium		-			
Magnesium		-	Magnesium		-			
Total Hardness		-	Total Hardness		-			
Total Acidity		-	-		-			
Total Alkalinity		-	-		-			
Sodium		-	-		-			
Potassium		-	-		-			
Chloride	Digital Burette, Water Purification	Chloride	Digital Burette, Water Purification	-	-	-	Flame Photometer, Muffle Furnace	-
Sulphate	System/Distillation assembly, Flame	BOD	System/Distillation assembly	-	-	-		
BOD	Photometer, Muffle Furnace	COD	-	-	-	-		
COD	-	-	-	-	-	-		
Fluoride	-	-	-	-	-	-		
Boron	-	-	-	-	-	-		
-	-	-	-	-	-	-		
Total Coliform	Bacteriological Incubator, Water Bath, Autoclave (02),	SA-01 (B.Sc/M.Sc, Env.Sc./Micro.)	Total Coliform	Bacteriological Incubator, Water Bath, Autoclave (02), Microscope (100X)	SA-01(Sc.), LA 02(Sc.), JRF 04, JLA 02	-	Laminar Flow Bench, Microscope (100X)	-
Fecal Coliform	Laminar Flow Bench, Microscope (100X)	-	Fecal Coliform	-	-	-		

Ammoniacal Nitrogen		> MTS-01	✓	Yes	
Nitrate Nitrogen			✓	Yes	
Nitrite Nitrogen			✓	Yes	
Total Phosphate			✓	Yes	
Calcium			✓	Yes	
Magnesium			✓	Yes	
Total Hardness			✓	Yes	
Total Acidity			✓	Yes	
Total Alkalinity			✓	Yes	
Sodium			✓	Yes	
Potassium			✓	Yes	
Chloride			✓	Yes	
Sulphate			✓	Yes	
BOD			✓	Yes	
COD			✓	Yes	
Fluoride			✓	Yes	
Boron			✓	Yes	
Total Coliform		> SA-01 (B.sc./M.Sc., Env.Sc./Micro.)	✓	Yes	
Faecal Coliform			✓	Yes	

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CENTRAL POLLUTION CONTROL BOARD
(MINISTRY OF ENVIRONMENT & FORESTS)
 Parivesh Bhawan, East Arjun Nagar
 Delhi -110032
GAP EVALUATION OF SPCBs/PCCs LABORATORY

1. Name of SPCB/PCC:- *Corakhpur*
2. Nos. of Labs in SPCBs/PCCs:-
 - a) District Labs:
 - b) Regional Labs:
 - c) Central Labs:
3. Laboratory requirement (Infrastructure and capabilities) to perform the water quality assessment under NWQMP for different labs of SPCBs/PCCs

b) Regional Lab

Parameters To be monitored	Laboratory's Requirement		Parameters Monitored	SPCBs/PCCs Lab's Status		Gap Observed
	Infrastructure and capabilities	required		Instruments/Equipments Available	Present Man Power	
Colour	Instruments/Equipments > Lab Head- 01 (M.Sc. (Env. Sc., Chem.) > Env. Scientist-01 (M.Sc. (Env. Sc., Chem.) > SA-01 (B.Sc./M. sc. > LA-01 (Sc.),	>	✓	Yes	Regional Officer-01 Scientific Assistant-03 Laboratory Assistant-01 Junior Research Fellow-05 MTS-01	
TSS		>	✓	Yes		
TDS		>	✓	Yes		
Odour		>	✓	Yes		
Temperature		>	✓	Yes		
pH		>	✓	Yes		
Electrical Conductivity (EC)		>	✓	Yes		
Dissolved Oxygen		>	✓	Yes		

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GAP EVALUATION OF SPCBs/PCCs LABORATORY

Name of SPCB/PCC:- Regional Office, Uttar Pradesh Pollution Control Board, Saharanpur

Nos. of Labs in SPCBs/PCCs:

a) District Labs: 01

b) Regional Labs: 01

Regional Lab- Saharanpur

Laboratory's Requirement			SPCBs/PCCs Lab's Status			Gap Observed (For CPCB use only)	
Parameters To be monitored	Infrastructure and capabilities required		Parameters Monitored	Instrument/equipment Available	Present Man Power		
	Instrument/equipment	Manpower					
Colour	Ice Box/s,	Lab Head-01 (Intermediate)	Colour	Colour Comparator	ASO-1 JRF-2 MTS-2 LA-2		
TSS	Filtration assembly,		TSS	Hot Air Over			
TDS	Vacuum pump,		TDS	Hot Air Over			
Odour	Thermometer/s,		Odour	Ice Box			
Temperature	Refrigerator/s,		Temperature	Thermometer			
pH			pH	pH meter			
electrical conductivity (EC)			Env Scientist-01 (M. Sc.)	electrical conductivity (EC)		EC meter	
Dissolved oxygen (DO)	Analytical balance,		SA-01 (Intermediate.)	Dissolved oxygen (DO)		Analytical Balance	
Ammoniacal Nitrogen	Desiccator, Vis-		LA-01 (Sc.)	No		—	
Nitrate Nitrogen	Spectrophoto meter, UV-			No		—	
Nitrite Nitrogen	Vis-Spectrophoto meter,	MTS-04	No	—			
Total Phosphate	pH meter,		No	—			
Calcium	Conductivity meter, DO meter, Hot air Oven,	JRF-06	Yes	Desiccator			
Magnesium	BOD incubator,		Yes	Titrametric Method			
Total Hardness	COD digester	SA-01 (Intermediate)	Yes	Titrametric Method			
Total Acidity	condensers, Auto		No	—			
Total Alkalinity	Dispenser,		Yes	Titrametric Method			
Sodium	Digital Burette,		No	—			
Potassium	Water		No	—			
Chloride	Purification		No	—			
Sulphate	System/Distillation assembly,		Yes	Titrametric Method			
BOD	Flame		No	—			
COD	Photometer,		Yes	BOD incubator			
Fluoride	Muffle furnace		Yes	COD digester			
Boron		No	—				
Total Coliform	Bacteriological	SA-01 (Intermediate)	Yes	Laminar Flow			
Faecal Coliform	Incubator, Water bath, Autoclave (01 Nos.), Laminar Flow Bench, Microscope (IOOX)		Yes	Laminar Flow			

b) Regional Lab

Tharsi

Parameters to be monitored	Laboratory's Requirement		SPCBs/PCCs Lab's Status		Gap Observed		
	Infrastructure and capabilities required	Instrument/equipment	Manpower	Parameters Monitored		Instrument/ equipment Available	Present man power
Colour				Yes	Yes		
TSS			Lab Head-01	Yes	Yes		
TDS			(M.Sc/Env. Sc., Chem.)	Yes	Yes		
Odour		Ice Box/s, Filtration assembly, Vacuum Pump, Thermometer/s, Refrigerator/s	Env. Scientist-01 (M.sc/Env. Sc., Chem.)	Yes	Yes		
Temperature				Yes	Yes		
pH				Yes	Yes		
Electrical Conductivity(EC)		Analytical balance, Desiccator,		Yes	Yes		
Dissolved Oxygen(DO)				-	-		
Ammoniacal Nitrogen			SA-01	-	-		
Nitrate Nitrogen		Vis Spectrophotometer, UV-Vis Spectrophotometer, pH Meter, Conductivity meter, DO Meter, Hot Air Oven, BOD incubator, COD digester Condensers	(B.Sc/M.Sc.(Sc.)	-	-		
Total Phosphate				Yes	Yes		
Calcium			LA-01(Sc.)	Yes	Yes	SO-01	
Magnesium			JRE-02	Yes	Yes	ASO-02	
Total Hardness			MTS-01	Yes	Yes	SA-01	
Total Acidity				-	-	LA-02	
Total Alkalinity				Yes	Yes	JRF-02	
Sodium				Yes	Yes	MTS-01	
Potassium		Auto Dispenser, Digital Burette, Water Purification System/Distillation assembly, Flame Photometer, Muffle furnace		Yes	Yes		
Chloride				Yes	Yes		
Sulphate				Yes	Yes		
BOD				-	-		
COD				Yes	Yes		
Fluoride				Yes	Yes		
Boron				-	-		
Total Coliform		Bacteriological Incubator, Water bath, Autoclave(02 Nos.), Laminar Flow Bench, Microscope(100X)	SA-01 (B.Sc./M.Sc.,(Env. Sc./Micro.))	Yes	Yes		
Faecal Coliform				Yes	Yes		

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(RO)

b) Regional Lab Regional Office U.P. Pollution Control Board Agra.

Laboratory's Requirement		SPCBs/PCCs Lab's Status		Gap Observed	
Parameters To be monitored	Infrastructure and capabilities required	Parameters Monitored	Instrument/equipment Available		
Colour	Ice Box/s, Filtration assembly, Vacuum pump, Thermometer/s, Refrigerator/s, Analytical balance, Desiccator, Vis-Spectrophotometer, UV-Vis-Spectrophotometer, pH meter, Conductivity meter, DO meter, Hot air Oven, BOD incubator, COD digester condensers,	Colour	Colour Comparator-01	ASO-1 (M.Sc)	
TSS		TSS	Ice Box-03		
TDS		Lab Head-01 (M.Sc. (Env. Sc., Chem.)),	Odour	Filtration Assembly-01	
Odour			Temperature	Digital Thermometer-04	SA-01-(M.Sc)
Temperature		Env. Scientist-01 (M.Sc. (Env. Sc., Chem.)),	pH	Refrigerator-02	SA-02-(B.Sc)
pH			Electrical Conductivity	Analytical Balance-02	
electrical conductivity (EC)		Analytical balance, Desiccator, Vis-Spectrophotometer, UV-Vis-Spectrophotometer, pH meter, Conductivity meter, DO meter,	Dissolved Oxygen	Desiccator-02	
Dissolved oxygen (DO)			Calcium	UV-VIS Spectro Photo Meter -01	Lab Assistant (SCIENCE)
Ammoniacal Nitrogen			Magnesium	pH Meter-02	Mentoring Assistant (SCIENCE)
Nitrate nitrogen		> SA-01 (B.Sc./M. Sc. (Sc.)),	Total Hardness	Conductivity Meter-01	
Nitrite nitrogen,	> LA-01 (Sc.),	Turbidity	Hot Air Oven-02	JRF- 01-M.Sc	
Total Phosphate	> MTS-01	TDS	BOD Incubator-02	JRF-02 (B.Tech)	
Calcium			COD Digester-02		
Magnesium					
Total Hardness					
Total Acidity					

CENTRAL POLLUTION CONTROL BOARD

(MINISTRY OF ENVIRONMENT & FORESTS)

'Parivesh Bhawan', East Arjun Nagar
Delhi -110032

GAP EVALUATION OF SPCBs/ PCCs LABORATORY

1. Name of SPCB/PCCs :- Uttar Pradesh Pollution Control Board, Mathura
2. Nos. of Labs in SPCB/PCCs :- 01
 - a) District Labs :- 01
3. Laboratory requirement (Infrastructure and capabilities) to perform the water quality assessment under NWQMP for different labs of SPCB/PCCs :-
 - a) Regional Lab :-

Laboratory's Requirement			SPCBs/PCCs Lab's Status			Gap Observed (For CPCB use only)
Parameters To be monitored	Infrastructure and capabilities required		Parameters being analysed	Instrument/equipment Available	Present Man-power	
	Instrument/equipment	Man-power				
Colour	Ice Boxes,	Lab Head-01 (M.Sc, Env. Sc., Chem.)	Colour	Ice Box	R.O. (M.Sc., PH.D)	
TSS	Filtration Assembly,		TSS	Thermometers		A.S.O-01 (M.Sc.)
TDS	Vacuum pump,	Env. Scientist-01(M.Sc, Env. Sc., Chem.)	TDS	Deep Freezer	S.A.-01 (M.Sc., PH.D)	
Odour	Thermometers,		Odour	Analytical Balance		J.R.F.-03 (01-B.Tech. (Civil) 02-M.Sc. 03-M.Sc.)
	Refrigerators,	SA-01 (B.Sc./M.Sc.)				
	Analytical Balance,		LA-01 (Sc.)	Temperature	Desiccator	M.A.-01 (12 th , ITI)
	Desiccator,	MTS-01	pH	pH meter	F.A.-02 (01-M.Sc., 02-Diploma)	
	Spectrophotometer,		SA-01(B.Sc./M.Sc.) (Env.Sc./Micro.)	Electrical Conductivity (EC)		Conductivity Meter
Temperature	pH meter,		Dissolved Oxygen (DO)	Hot Air Oven		
pH	Conductivity meter,		Calcium	BOD Incubator		
Electrical Conductivity (EC)	DO meter,					
Dissolved Oxygen (DO)	Hot Air Oven,					
Calcium	Auto Dispenser,					
	Digital Burette,					

Calcium	Water Purification System/Distillation Assembly, BOD incubator, COD digester Photometer Muffle furnace Bacteriological Incubator, Water bath, Autoclave(02 Nos.), Laminar flow Bench, Microscope (100X)	Magnesium	COD Digester		
Total Hardness		Total Hardness	Filtration Assembly		
Total Acidity		Chloride	Bacteriological Incubator,		
Total Alkalinity		BOD	Laminar flow Bench,		
Chloride		COD			
Sulphate		Total Alkalinity			
BOD		Total Coliform			
COD		Faecal Coliform			
Ammonia Cal Nitrogen					
Nitrate Nitrogen					
Nitrite Nitrogen					
Total phosphate					
Sodium					
Potassium Fluoride					
Boron					
Total Coliform					
Faecal Coliform					

CENTRAL POLLUTION CONTROL BOARD
(MINISTRY OF ENVIRONMENT & FORESTS)

'Parivesh Bhawan', East Arjun Nagar
Delhi - 110032

GAP EVALUATION OF SPCBs/ PCCs LABORATORY

1. Name of SPCB/PCCs :- Uttar Pradesh Pollution Control Board, Aligarh
2. Nos. of Labs in SPCB/PCCs :- 01
 - a) Regional Lab :- 01
3. Laboratory requirement (Infrastructure and capabilities) to perform the water quality assessment under NWQMP for different labs of SPCB/PCCs :-

Laboratory's Requirement Parameters To be monitored	Infrastructure and capabilities required		SPCBs/PCCs Lab's Status			Gap Observed (For CPCB use only)
	Instrument/equi- pment	Man- power	Parameters being analysed	Instrument/equi- pment Available	Present Man- power	
Colour	Ice Boxes.	Lab Head- 01 (M.Sc, Env. Sc., Chem.)	Colour	Ice Box	R.O.(i) (M.Sc., PH.D) A.S.O-01) (M.Sc.)	
TSS	Filtration Assembly.		TSS	Thermometers		
TDS	Vacuum pump.		TDS	Deep Freezer		L.A.- 01(B.A.)
Odour	Thermometers, Refrigerators, Analytical Balance, Desiccator.	Env. Scientist- 01(M.Sc, Env. Sc., Chem.) SA-01 (B.Sc./M.S c.(Sc.)	Odour	Analytical Balance	J.R.F.-04 (01- B.Tech. (Civil) 02- M.Sc (Chem). 03- M.Sc (Zoology) 04- M.tech (structure)	
Temperature	Spectrophotomet- er.	LA-01 (Sc.)	Temperature	Desiccator		M.A.-01 (M.A.)
pH	pH meter, Conductivity meter.	MTS-01	pH	pH meter		F.A.-02 (01- M.A.), 02-B.A., B- ed)
Electrical Conductivity (EC)	DO meter.	SA- 01(B.Sc./ M.Sc.,) (Env.Sc./ Micro.)	Electrical Conductivity (EC)	Conductivity Meter		
Dissolved Oxygen (DO)	Hot Air Oven, Auto Dispenser.		Dissolved Oxygen (DO)	Hot Air Oven		
Calcium	Dispenser,		Calcium	BOD Incubator		
Magnesium	Digital Burette,		Magnesium	COD Digester		
Total Hardness	Water		Total Hardness	Filtration Assembly		

Total Hardness	Water Purification System/Distillation Assembly, BOD incubator, COD digester Photometer Muffle furnace Bacteriological Incubator, Water bath, Autoclave(02 Nos.), Laminar flow Bench, Microscope (100X)	Total Hardness	Filtration Assembly			
Total Acidity		Total Hardness Chloride	Bacteriological Incubator,			
Total Alkalinity		BOD	BOD	Laminar flow Bench,		
Chloride			COD			
Sulphate			Total Alkalinity			
BOD			Total Coliform			
COD			Faecal Coliform			
Ammonia Cal						
Nitrogen						
Nitrate Nitrogen						
Nitrite Nitrogen						
Total phosphate						
Sodium						
Potassium Fluoride						
Boron						
Total Coliform						
Faecal Coliform						

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CENTRAL POLLUTION CONTROL BOARD
 (MINISTRY OF ENVIRONMENT & FORESTS)
 Parivesh Bhawan, East Arjun Nagar
 Delhi-110032

GAP EVALUATION OF SPCBS/PCCS LABORATORY

- 1- Name of SPCB/PCC: Regional Office, Uttar Pradesh Pollution Control Board, Bareilly
- 2- Nos. of Labs in SPCBS/PCCS:
 - a) District Labs: 00
 - b) Regional Labs: 01
 - c) Central Labs: 00

3- Laboratory requirement (infrastructure and capabilities) to perform the water quality assessment under NWQMP for different labs of SPCBS/PCCS:

a. Regional Lab :-

Laboratory's Requirement		SPCBS/PCCS Lab's Status		Gap Observed
Parameters To be monitored	Infrastructure and capabilities required	Instrument/equipment Available	Present Man Power	
Colour	Ice Box/s,	Ice Box/s,	Lab Head-01 (Intermediate)	Env Scientist (M.Sc.- Env. Sc. Chemistry)
TSS	Filtration assembly,	Filtration assembly,		
TDS	Vacuum pump,	Vacuum pump,	Env Scientist-00 (M.Sc.- Env. Sc. Chemistry)	
Odour	Thermometer/s,	Thermometer/s,	SA-02	
Temperature	Refrigerator/s,	Refrigerator/s,	1-(M. Sc. Env.)	
pH	Analytical balance,	Analytical balance,	2-(Intermediate.)	
electrical conductivity (EC)	Desiccator, Vis-Spectrophoto meter, UV-	Desiccator, Vis-Spectrophoto meter, UV-		
Dissolved oxygen (DO)	Vis-Spectrophoto meter, pH meter,	UV-Vis-Spectrophoto meter, pH meter,		
Ammoniacal Nitrogen	Conductivity meter, DO meter, Hot air Oven,	Conductivity meter, DO meter, Hot air Oven,	LA-01 (B.Sc.)	
Nitrate Nitrogen	BOD incubator,	BOD incubator,	MA-01 (B.Sc)	
Nitrite Nitrogen				
Total Phosphate				
	Manpower		MTS-01	

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Calcium	COD digester condensers, Auto Dispenser, Digital Burette, Water Purification System/Distillation assembly, Flame Photometer, Muffle furnace	COD digester condensers, Auto Dispenser, Digital Burette,	MTS-05	M. Sc (Microbiology)				
Magnesium					Yes	SA-01 (B. Sc./ M. Sc, Env. Sc. /Micro.)	Bacteriological Incubator, Autoclave (01 Nos.), Laminar Flow Bench, Microscope (100 X)	
Total Hardness					Yes			SA-02 1-(M. Sc. Env.) 2-(Intermediate.) JRF-06 1. M. Sc. Env. 2. M. Sc. Chem. 3- M. Sc. Zoology. 4-M. Sc. Zoology. 5- B.tech Civil. 6- B.tech CIVIL.
Total Acidity					No			
Total Alkalinity					Yes			
Sodium					No			
Potassium					No			
Chloride					Yes			
Sulphate					No			
BOD					Yes			
COD					Yes			
Fluoride					No			
Boron					No			
Total Coliform					Yes			
Faecal Coliform					Yes			

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REGIONAL OFFICE, U.P. POLLUTION CONTROL BOARD, MUZAFFARNAGAR

GAP EVALUATION OF SPCBs/PCCs LABORATORY

1. Name of SPCB/PCC :- Regional Office, U.P. Pollution Control Board, Muzaffarnagar
2. No. of Labs in SPCB/s/PCCs : Regional Laboratory, U.P. Pollution Control Board, Muzaffarnagar
3. Laboratory requirement (Infrastructure and capabilities) to perform the water quality assessment under NWQMP for different labs of SPCBs/PCCs :
 (b) Regional Lab

Laboratory's Requirement		SPCBs/PCCs Lab's Status		Gap Observed
Parameters to be monitored	Infrastructure and capabilities required	Parameters Monitored	Present Manpower	
Colour	Ice Box/s, Filtration assembly, Vacuum pump, Thermometer/s, Refrigerator/s,	Colour	LA-01	Gap observed in Instruments Filtration Assembly, Vacuum Pump, Vis-Spectrophotometer, DO Meter, Auto Dispenser, Digital Burette, Water Purification System/Distillation Assembly Gap observed in Manpower SA - 01 MTS - 01
TSS		TSS	JRF-02	
TDS		TDS	FA-02	
Odour		Odour		
Temperature	Analytical balance,	Temperature		
pH	Desiccator, Vis-	pH		
Electrical conductivity	Spectrophotometer, UV-	Electrical conductivity		
(EC)	Vis-Spectrophotometer,	(EC)		
Dissolved Oxygen (DO)	pH meter, Conductivity meter, DO meter, Hot Air meter, BOD Incubator,	Dissolved Oxygen (DO)		
Ammoniacal Nitrogen	Oven, COD digester condensers, Auto Dispenser, Digital Burette, Water Purification System/Distillation	Calcium		
Nitrate nitrogen		Magnesium		
Nitrite nitrogen		Total Hardness		
Total Phosphate		Total Alkalinity		

Regional Office
Uttar Pradesh Pollution Control Board
Ayodhya

Regional Laboratory						
Laboratory's Requirement			SPCBs/PCCs Lab's Status			Gap Observed
Parameters To be monitored	Infrastructure and capabilities required		Parameters Monitored	Instrument/equipment Available	Present Manpower	
	Instrument/equipment	Manpower				
Color	Filtration assembly, Vacuum pump, Analytical, Vis-Spectrophotometer, UV-Vis-Spectrophotometer, Hot air Oven, Auto Dispenser Digital Burette, Water Purification System/Distillation assembly, Flame Photometer,	-	TSS	Ice Box	SA-02	
TSS			TDS	Vacuum pump	JRF-03	
TDS			Odour	Thermometer	LA-02	
Odour			electrical conductivity	Refrigerator	FA-01	
Temperature			Dissolved oxygen (DO)	Analytical balance	MTS-06	
pH			Total Hardness	pH meter		
electrical conductivity (EC)			Chloride	Conductivity meter		
Dissolved oxygen (DO)			BOD	DO meter		
Ammoniacal Nitrogen			COD	BOD incubator		
Nitrate nitrogen				COD digester		
Nitrite nitrogen				Muffle furnace		
Total Phosphate				Autoclave		
Calcium				Desiccator		
Magnesium						
Total Hardness						
Total Acidity						
Total Alkalinity						
Sodium						
Potassium						
Chloride						
Sulphate						
BOD						
COD						
Fluoride						
Boron						
Total Coliform	Bacteriological Incubator, Water bath, Laminar					
Faecal Coliform	Flow Bench, Microscope (100X)					

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Regional Lab		Regional Office: U.P. Pollution Control Board, Unnao				
Parameters To be monitored		Laboratory's Requirement		SPCBs/PCCs Lab's Status		
Infrastructure and capabilities required		Manpower	Parameters Monitored	Instrument/equipment Available	Present Man Power	Gap Observed
Colour	Ice Box/s, Filtration assembly, Vacuum pump, Thermometer/s, Refrigerator/s,	Lab Head-01 (M. Sc. (Enc. Sc., Chem.)	Colour	Ice Box/s, Filtration assembly, Vacuum pump, Thermometer/s, Refrigerator/s,	Mahesh Chandra Kashyap (A.S.O)	
TSS		Env Scientist-01 (M. Sc. (Enc. Sc., Chem.)	TSS		Pawan Kumar Mishra (S.A)	
TDS		SA-01 (M. Sc. (Enc. Sc., Chem.)	TDS		Jitendra Kumar (S.A)	
Odour		LA-01 (Sc.)	Odour		B.S Dwivedi (M.A)	
Temperature			Temperature		Amardeep Bajpai (J.R.F)	
pH			pH		Ashish Kumar (J.R.F)	
electrical conductivity (EC)	Analytical balance, Desiccator, Vis-Spectrophoto meter, UV-Vis-Spectrophoto meter, pH meter, Conductivity meter, DO meter, Hot air Oven, BOD incubator, COD digester		electrical conductivity (EC)	Analytical balance, Desiccator, UV-Vis-Spectrophoto meter, pH meter, DO meter, Hot air Oven, BOD incubator, COD digester.	Khushi Mishra (J.R.F)	
Dissolved oxygen (DO)			Dissolved oxygen (DO)		Sarvan Kumar (F.A)	
Ammoniacal Nitrogen					Sushael Kumar Shukla (M.T.S)	
Nitrate Nitrogen		MTS-01	No			
Nitrite Nitrogen			No			
Total Phosphate			No			
Calcium			Calcium			
Magnesium			Magnesium			
Total Hardness			Total Hardness			
Total Acidity			No			
Total Alkalinity			Total Alkalinity			
Sodium			No			
Potassium			No			

Muski TRF
18/11/2023

Sanjay S.N.

18/11/23

Chloride	Water	No		
Sulphate	Purification	No		
BOD	System/Distillation	BOD		
COD	assembly,	COD		
Fluoride	Flame	No		
Boron	Photometer,	No		
Total Coliform	Bacteriological	Total Coliform		
Faecal Coliform	Incubator, Water bath, Autoclave (02 Nos.), Laminar Flow Bench, Microscope (100X)	Faecal Coliform		
	SA-01 (B.sc./M.Sc., (Env.Sc./Micro. o.)			
	Bacteriological Incubator, Water bath, Autoclave (01 Nos.),			

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CENTRAL POLLUTION CONTROL BOARD
(MINISTRY OF ENVIRONMENT & FORESTS)
'Parivesh Bhawan' East Arjun Nagar
Delhi-110032

GAP EVALUATION OF SPCBs/PCCs LABORATORY

1. Name of SPCB/PCC:- Regional Office, U.P. Pollution Control Board, Sonbhadra
2. Nos. of Labs in SPCBs/PCCs:
 - a) District Labs:-00
 - b) Regional Labs:-01
 - c) Central Labs:-00
3. Laboratory requirement (Infrastructure and capabilities) to perform the water quality assessment under NWQMP for different labs of SPCBs/PCCs:-
 - a) District Level Lab:-Nil

4. Regional Lab:-Regional Office, U.P. Pollution Control Board, Sonbhadra.

Laboratory's Requirement			SPCBs/PCCs Lab's Status			Gap Observed
Parameters to be monitored	Infrastructure and capabilities required		Parameters monitored	Instrument /equipment available	Present Man-power	
	Instrument /equipment available	Manpower				
Colour	Ice Box/s; Filtration assembly; Vacuum pump; thermometer/s, Refrigerator/s, Analytical Balance, Desiccators, Vis-Spectrophotometer, UV-Vis-Spectrophotometer, pH meter, conductivity meter, DO meter, Hot air Oven, BOD incubator, COD digester condenser, Auto Dispenser, Digital Burette, Water purification	<ul style="list-style-type: none"> ➤ Lab Head- 01 (M.Sc, Env. Sc., Chem.), ➤ Env. Scientist -01 (M.Sc, Env. Sc., Chem.), ➤ SA-01 (B.Sc/M.Sc, (Sc.), ➤ LA-01 (Sc.), ➤ MTS-01 	Colour	Colour test Kit	Scientific Assistant (SA)-01, LA-01, MTS-01,	
TSS			TSS	Analytical Balance, Hot Air Oven, Filter Paper		
TDS			TDS	TDS Meter, Analytical Balance, Hot Air Oven, Filter Paper,		
Odour			Odour	-		
Temperature			Temperature	Thermometer		
pH			pH	pH Paper & pH meter(Not-working)		
Electrical conductivity (EC)			Electrical conductivity (EC)	Conductivity Meter		
Dissolved Oxygen (DO)			Dissolved Oxygen (DO)	BOD incubator		

	System/Dis lla on assembly, Flame photometer, Mu e furnace					
Ammoniacal Nitrogen				pH meter (Not-working)		
Nitrate Nitrogen				COD digester condenser		
Nitrite Nitrogen				Water puri ca on System/Dis llat ion assembly (Not-working)		
Total Phosphate				Mu e furnace		
Calcium				DO meter (Not-working)		
Magnesium				UV-Vis-Spectrophotom eter		
Total Hardness				Ice Box/s		
Total Alkalinity				Refrigerator/s		
Sodium				Thermometer/s		
Potassium				conduc vity meter		
Chloride				Desiccators		

Sulphate				Analy cal Balance		
BOD			BOD	BOD incubator,		
COD			COD	COD digester condenser		
Fluoride				Hot air Oven		
Boron						
Total Coliform	Bacteriological Incubator, Water Bath Autoclave (02 Nos.), Laminar Flow Bench, Microscope (100X)	➤ SA-01 (B.Sc/M.Sc, Env.Sc./Micro .),			SA-01	
Faecal Coliform						

a) Central Lab :- Nil

Annexure No.-4



उत्तर प्रदेश प्रदूषण नियंत्रण बोर्ड
UTTAR PRADESH POLLUTION CONTROL BOARD



Uttar Pradesh Pollution Control Board has established 49 online Continuous Ambient Air Monitoring Stations (CAAQMS) in 20 Cities viz. Lucknow, Kanpur, Varanasi, Prayagraj, Meerut, Ghaziabad, Agra, Firozabad, Moradabad, Mathura, Bulandshahar, Muzaffarnagar, Baghpat, Hapur, Khurza, Bareilly, Noida, Greater Noida, Jhansi and Gorakhpur with online connectivity to central server of CPCB, Delhi. Central Laboratory of UPPCB is well equipped for sampling and analysis of air and water quality of hot spots in critically polluted areas as per requirement. Regional Laboratories also equipped with air & water quality sampling & analysis for routine parameters.

Chief Environmental Officer
Central Laboratory
UPPCB, Head Office, Lucknow

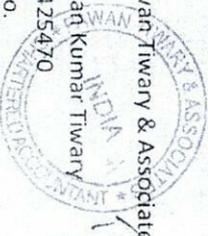
U.P POLLUTION CONTROL BOARD LUCKNOW
BALANCE SHEET AS ON 31st MARCH 2021

LIABILITIES	2019-20	2020-21	ASSETS	2019-20	2020-21
	AMOUNT (Rs.)	AMOUNT (Rs.)		AMOUNT (Rs.)	AMOUNT (Rs.)
CAPITAL FUNDS :-			FIXED ASSETS (ANNEXURE -A)		
BALANCE AS PER LAST BALANCE SHEET	1,57,56,39,003.44	1,75,80,12,280.20	CD & FDR	32,52,35,465.33	29,05,07,339.27
ADD EXCESS OF INCOME OVER EXPENDITURE	18,23,73,276.76	27,69,69,117.92		60,48,40,395.54	60,48,40,395.54
CURRENT LIABILITIES :-			CURRENT ASSETS :-		
GIS A/C	1,11,194.00	10,80,591.00	Employee Advance	32,51,513.25	31,97,434.25
H.B.A/A/C	82,46,096.16	1,10,90,529.16	TA DA advance	11,900.00	11,900.00
Medical Advance	7,57,136.16	-	Fund in transits	13,17,37,018.22	14,33,41,018.22
Bank Guaranty Received	51,58,000.00	51,58,000.00	Other Current Assets	60,53,157.68	82,65,657.68
Festival Advance	8,50,732.00	-	Cash and Bank Balance	73,71,35,943.40	1,07,98,40,374.38
Income Tax	(2,95,740.00)	(5,76,604.00)	Computer advance	21,543.00	21,543.00
LIC	5,07,187.00	3,96,408.00	Medical Advances	-	8,61,613.84
Other Current Liabilities	3,06,02,172.92	5,78,74,960.92	Festival Advance	-	4,57,986.00
Security	20,95,260.00	20,95,260.00			
Group gratuity Claim	4,13,545.08	1,71,55,029.08			
CPF	15,20,699.90	16,20,397.90			
Vehicle advances	3,08,373.00	4,69,292.00			
TOTAL	1,80,82,86,936.42	2,13,13,45,262.18	TOTAL	1,80,82,86,936.42	2,13,13,45,262.18

The above statement had been prepared on the basis of information and explanation provided to us.

For Uttar Pradesh Pollution Control Board

For Pawan Tiwary & Associates
CA Pawan Kumar Tiwary
M.No. 425470
UDIN No.



Anil Kumar Swastava
Accounts Officer
(Incharge)

Pramod Kumar Agarwal
Chief Environment Officer
(Admin)

U.P POLLUTION CONTROL BOARD LUCKNOW
BALANCE SHEET AS ON 31 st MARCH 2022

LIABILITIES	2020-21	2021-22	ASSETS	
	AMOUNT (Rs.)	AMOUNT (Rs.)	2020-21	2021-22
CAPITAL FUNDS :-				
BALANCE AS PER LAST BALANCE SHEET	1,75,80,12,280.20	2,03,49,81,398.12	29,05,07,339.27	29,93,21,213.93
ADD EXCESS OF INCOME OVER EXPENDITURE	27,69,69,117.92	22,68,44,217.20	60,48,40,395.54	62,05,03,188.54
CURRENT LIABILITIES :-				
GIS A/C	10,80,591.00	11,34,300.00	31,97,434.25	32,23,238.25
H.B.A A/C	1,10,90,529.16	1,40,28,265.16	11,900.00	11,900.00
Bank Guaranty Received	51,58,000.00	51,58,000.00	14,33,41,018.22	14,56,35,588.22
Income Tax	-5,76,604.00	-5,43,705.00	82,65,657.68	83,89,650.68
LIC	3,96,408.00	4,08,349.00	21,543.00	21,543.00
Other Current Liabilities	5,78,74,960.92	5,90,88,355.92	8,61,613.84	2,71,863.84
Security	20,95,260.00	20,00,260.00	4,57,986.00	23,290.00
Group gratuity Claim	1,71,55,029.08	-9,17,701.92	1,07,98,40,374.38	1,26,66,64,924.92
CPF	16,20,397.90	13,72,917.90		
Vehicle advances	4,69,292.00	5,11,745.00		
TOTAL	2,13,13,45,262.18	2,34,40,66,401.38	2,13,13,45,262.18	2,34,40,66,401.38

The above statement had been prepared on the basis of information and explanation provided to us.

For Pawan Tiwary & Associates
CA Pawan Kumar Tiwary
M.No. 425470
UDIN No. 22425470APPHPU7537
Date:
Place: Lucknow



Pankaj Kaushik
Pankaj Kaushik
Account Officer
(Incharge)

For Uttar Pradesh Pollution Control Board
Rajendra Singh
Rajendra Singh
Chief Environment Officer
(Admin)

Ajay Sharma
Ajay Sharma
Member Secretary

Annexure - 6