

I/532400/2024

858

No-173/81-6-2024(1786334)

From

Dinesh Kumar Singh,
Under Secretary,
Environment, Forest & Climate Change Department,
Government of Uttar Pradesh.

To

The Registrar,
National Green Tribunal,
Principal Branch, New Delhi

E-mail: judicial-ngt@gov.in**Environment, Forest & Climate Change Department-6, Lucknow, Dated 01 April, 2024**

Subject: Report on behalf on Respondent No-27, State of Uttar Pradesh 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 title "Pollution Control Boards are the week link"

Sir,

That in pursuance to the order dated 23-11-2023 passed by this Hon'ble Tribunal regarding the subject matter the report on behalf of the respondent no-27, State of Uttar Pradesh, is filed before you 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.

Digitally Signed by दिनेश

कुमार सिंह

Date: 01-04-2024 18:05:40

Reason: Approved

Your's Sincerely,

(Dinesh Kumar Singh)

Under Secretary

I/532402/2024

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

Original Application No. 693 of 2023

IN THE MATTER OF:

REPORT ON BEHALF OF RESPONDENT NO.-27, STATE OF UTTAR PRADESH 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,

The Respondent No.-27, State of Uttar Pradesh, 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

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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 Respondent No.-27, State of Uttar Pradesh, is being filed for the perusal and consideration of this Hon'ble Tribunal.

Your Sincerely,

Digitally Signed by दिनेश
कुमार सिंह
Date: 01-04-2024 18:14:55
Reason: Approved

(Dinesh Kumar Singh)
Under Secretary

उ0प्र0 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

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06/12/23

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A.O.
06/12/23

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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 ई0 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

File No.
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।

 P. Anwar

 6/12/13

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

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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), Anillofos 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

Central Laboratory, Uttar Pradesh Pollution Control Board, Lucknow

Laboratory's Requirement		SPCBs/PCCs Lab's Status		Parameters Monitored	Infrastructure and capabilities required	Present man power	Gap Observed
Parameters to be monitored	Infrastructure /Equipment required	Manpower					
Colour	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),Cyanide assembly/Ion Meter, TKN Analyzer	required	required	Yes	Yes Cyanide assembly, Ion meter, TKN Analyzer, Rotary Evaporator, GC-MS	Chief Environment Officer (CEO)-01 Assis. Scientific Officer (ASO)-05 Scientific Assistant(SA)-08 Monitoring Assistant(MA)-06 Laboratory Assistant (LA)-07 Laboratory Attendant (LA)-02	No
TSS				Yes			No
TDS				Yes			No
Odour				Yes			No
Temperature				Yes			No
pH				Yes			No
Electrical Conductivity (EC)				Yes			No
Dissolved Oxygen (DO)				Yes			No
Ammonical Nitrogen				Yes			No
Nitrate Nitrogen				Yes			No
Total Phosphate				Yes			No
Calcium				Yes			No
Magnesium				Yes			No
Total Hardness				Yes			No
Total Acidity				Yes			No
Total Alkalinity	Yes	No					
Sodium	Yes	No					
Potassium	Yes	No					
SAR	Yes	No					
Chloride	Yes	No					
Sulphate	Yes	No					
Sulphides	Yes	No					
Boron	Yes	No					
Total Coliform	Not required	required	required	Yes			No
Fecal Coliform	Not required	required	required	Yes			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
	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 required	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 Chaudhan (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)	
Nitrite nitrogen		No	-	Saumya Srivastava (M.Sc-Extension Education)	
Total Phosphate		No	-	MTS-02 Ajay Kumar (B.Sc-Chemistry, Maths)	
Calcium		Yes	Manual (Titration)		
Magnesium		Yes	Manual (Titration)		
Total Hardness		Yes	Manual (Titration)		
Total Acidity		No	-	F.A.-04 Anuj Kumar Singh (M.A, L.L.B.)	
Total Alkalinity		No	-	Vivek Tripathi (B.Sc-Agriculture)	
Sodium		No	-		
Potassium		No	-		
Chloride		Yes	Manual (Titration)	Rejini Kumar (B.Sc-Science)	
Sulphate		No	-		
BOD		Yes	BOD incubator (Titration)	Sujit (B.A.)	
COD		Yes	COD digester condensers (Titration)	Lab Attendant Sufal Vaidh intermediate	
Fluoride	No	-			
Boron	No	-			

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

Parameters to be monitored	Infrastructure and capabilities required		Parameters Monitored	Infrastructure and capabilities required	Present Man Power	Observed
	Instruments/ Equipment	Manpower				
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	BOD Incubator-01,		Yes	No	Junior Research fellow (J.R.F)- 06	No
pH	Auto Dispenser-02,		Yes	No		No
Electrical Conductivity	Digital Burette-02		Yes	No		No
Dissolved Oxygen (DO)	TKN Analyzer- 01		Yes	No		No
Ammonical Nitrogen			Yes	No		No
Nitrate Nitrogen			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 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

Notes: - Ammonolymph. Colony

20/11/23
S.A.

Regional Lab, Balanadshah, UP

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

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

GAP EVALUATION OF SPCBs/PCCs LABORATORY

- 1 Name of SPCB/PCC:- UTTAR PRADESH POLLUTION CONTROL BOARD
- 2 No. of Labs in SPCB/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 Requirement			SPCBs/PCCs Lab's Status			Cap 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, Refrigerators, Analytical balance, Desiccator spectrophotometer, pH meter 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 Total Acidity			Yes	Yes		
Total alkalinity 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)		Yes	Yes		
Faecal Coliform		SA-01 (B. Sc./ M.Sc. (Env. Sc./Micro)	Yes	Yes	Junior Research Fellow-03	

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	Manpower	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. Scientist-00
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	
Odour	Analytical Balance, Desiccator, Vis-		√	Analytical Balance, Desiccator, Vis-	(M.Sc.- Env.Sc, Chemistry)	
Temperature	Spectrophotometer, UV-		√	Spectrophotometer, UV-	S.A.-03 (B.Sc. M.Sc.- Sc.)	LA-0 (Sc.)
pH	Vis Spectrophotometer, Ph	> S.A.-01 (B.Sc. M.Sc.- Sc.)	√	Vis Spectrophotometer, Ph		
Electrical	Meter, Conductivity Meter, DO Meter, Hot Air Oven,	> LA-01 (Sc.)	√	Meter, Conductivity Meter, Hot Air Oven,	LA-0 (Sc.)	
conductivity (EC)	BOD Incubator, COD	> MTS-01	√	BOD Incubator, COD		
Dissolve Oxygen (DO)	Digester, Condensers, Auto		√	Digester, Condensers,	MTS-0	
Ammonical Nitrogen						

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Head

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

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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

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

UPPCB, Prayagraj

- 1- Name of SPGB/PCC:-
- 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

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

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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, Digital Burette, Water purification System/Distillatio n assembly, Flame photometer, Muffle furnace	▶ 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, Digital Burette, Water purification System/Distillatio n assembly, Flame photometer, Muffle furnace, Turbidity Meter	▶ 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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 N/6
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 SA

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: 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.)) > Env. Scientist-01 (M.Sc. (Env. Sc., Chem.)) > SA-01	✓	Yes	Regional Officer -01 Scientific Assistant -02 Monitoring Assistant -01 Laboratory Assistant -02 Junior Research Fellow -06 MTS-01	
TSS			✓	Yes		
TDS			✓	Yes		
Odour			✓	Yes		
Temperature			✓	Yes		
pH			✓	Yes		
Electrical Conductivity (EC)			✓	Yes		

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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Shyam J.F. J.A. N.A. S.A.

R.O.



**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	Instrument/Equipment ● ICE Box/s, Filtration assembly, Vacuum pump, Thermometer/s, Refrigerator/s	● Lab Head-01 (M.Sc., Env. Sc., Chem.),	pH, BOD, COD, TDS, TSS, TS, Colour,	ICE Box, Filtration Assembly, Vacuum pump, Thermometer/s, Refrigerator/s,	SA-01 (B.Sc.)	
TSS		● Env. Scientist-01 (M.Sc., Env. Sc., Chem.),	Conductivity	meter, Conductivity	LA-01 (Sc.)	
TDS		● SA-01 (B.Sc., Sc.)	DO, Ammoniacal Nitrogen, Phosphate, Calcium Magnesium, Total Hardness, Total Alkalinity, Chloride, Sulphate	meter, Hot Air Oven, BOD incubator, COD digester	JRF-06	
Odour			Conductivity	meter, Conductivity		
Temperature			DO meter, Hot air Oven, BOD incubator, COD digester condensers,	meter Hot Air Oven, BOD incubator, COD digester		
pH			Turbidity, Nitrogen,	meter, Hot Air Oven, BOD incubator, COD digester		
Conductivity (EC)			Ammoniacal Nitrogen,	meter, Hot Air Oven, BOD incubator, COD digester		
Dissolved Oxygen (DO)			Nitrate/Nitrogen	meter, Hot Air Oven, BOD incubator, COD digester		
Ammoniacal Nitrogen				meter, Hot Air Oven, BOD incubator, COD digester		
Nitrate/Nitrogen				meter, Hot Air Oven, BOD incubator, COD digester		

AS-1
S.A.

Total Alkalinity	Auto Dispenser, Digital Burette, Water		Total Alkalinity	Yes	
Sodium	Purification System/Distillate 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		> SA-01 (B. Sc./M.Sc., (Env. Sc./Micro.))	Faecal Coliform	Yes	

Signature
JRF

Signature
R.O.

b) Regional Lab Meent, UP

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,	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	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						
Calcium						
Magnesium						
Total Hardness						
Total Acidity						

Shankar JRF

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Regional Laboratory Uttar Pradesh Pollution Control Board, Moradabad										
Laboratory's Requirement			SP/CB&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 Boxes, Filtration Assembly, Vacuum Pump, Thermometers, Refrigerators, Analytical Balance, Desiccator, UV Vis-Spectrophotometer, UV Vis-Spectrophotometer, pH meter, Conductivity meter, DO meter, Hot Air Oven, BOD incubator, COD digester, Condensates, Auto Dispenser	Lab Head - 01 (M.Sc. Chemistry, Env. Sc.)	Colour	Ice Boxes, Filtration Assembly, Vacuum Pump, Thermometer, Refrigerators, Analytical Balance, Desiccator, pH meter, Conductivity meter, Hot Air Oven, BOD incubator, COD digester, Auto Dispenser	Lab Head - 01 (M.Sc.)		Vis-Spectrophotometer, UV Vis-Spectrophotometer, DO meter, Condensates, DO meter, UV Vis-Spectrophotometer (Not Working)			
TSS			TSS							
TDS			TDS							
Odour			Odour							
Temperature			Temperature							
pH		pH								
Electrical Conductivity (EC)		Electrical Conductivity (EC)	Env. Scientist - 01 (M.Sc.)						Env. Scientist - 01 (M.Sc.)	
Dissolved Oxygen (DO)		SA-01 (U.Sc./1.5c Sc.)			Dissolved Oxygen (DO)		SA-01 (Sc.)			
Ammonical Nitrogen		LA-01 (Sc.)					LA-02 (Sc.)	Ammonical Nitrogen		
Nitrate Nitrogen		NTS-01					NTS-01	Nitrate Nitrogen		
Nitrite Nitrogen								Nitrite Nitrogen		
Total Phosphate								Total Phosphate		
Calcium					Calcium					
Magnesium					Magnesium					
Total Hardness					Total Hardness					
Total Acidity						Total Acidity				
Total Alkalinity						Total Alkalinity				
Sodium						Sodium				
Potassium						Potassium				
Chloride	Digital Burette, Water Purification		Chloride	Digital Burette, Water Purification			Flame Photometer, Muffle Furnace			
Sulphate						Sulphate				
BOD	System/Distillation		BOD	System/Distillation						
COD	assembly, Muffle Furnace		COD	assembly						
Fluoride						Fluoride				
Boron						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		
Faccal Coliform		✓	Yes		

100%
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100%
0/5

100%
0/10

**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:- *Gorakhpur*

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		SPCBs/PCCs Lab's Status		Gap Observed
	Instruments/Equipments	Infrastructure and capabilities required	Parameters Monitored	Instruments/Equipments Available	
Colour			<input checked="" type="checkbox"/>	Yes	
TSS		> Lab Head-01 (M.Sc. (Env. Sc., Chem.))	<input checked="" type="checkbox"/>	Yes	
TDS			<input checked="" type="checkbox"/>	Yes	
Odour			<input checked="" type="checkbox"/>	Yes	
Temperature		> Env. Scientist-01 (M.Sc. (Env. Sc., Chem.))	<input checked="" type="checkbox"/>	Yes	Regional Officer-01
pH			<input checked="" type="checkbox"/>	Yes	Scientific Assistant-03
Electrical Conductivity (EC)		> SA-01 (B.Sc./M. sc.)	<input checked="" type="checkbox"/>	Yes	Laboratory Assistant-01
Dissolved Oxygen		> LA-01 (Sc.),	<input checked="" type="checkbox"/>	Yes	Junior Research Fellow-05 MTS-01

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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, Filtration assembly, Vacuum pump, Thermometer/s, Refrigerator/s,	Lab Head-01 (Intermediate)	Colour	Colour Comparator	ASO-1 JRF-2 MTS-2 LA-2		
TSS			TSS	Hot Air Over			
TDS			TDS	Hot Air Over			
Odour			Odour	Ice Box			
Temperature			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,		No				
Total Phosphate	pH meter,		No				
Calcium	Conductivity meter, DO meter, Hot air Oven,	MTS-04	Yes	Desiccator			
Magnesium	BOD incubator,	JRF-06	Yes	Titrametric Method			
Total Hardness	COD digester		Yes	Titrametric Method			
Total Acidity	condensers, Auto Dispenser,		No				
Total Alkalinity	Digital Burette, Water		Yes	Titrametric Method			
Sodium	Purification	No					
Potassium	System/Distillation assembly,		Yes	Titrametric Method			
Chloride	Flame		No				
Sulphate	Photometer,		Yes	BOD incubator			
BOD	Muffle furnace		Yes	COD digester			
COD		No					
Fluoride		No					
Boron		No					
Total Coliform	Bacteriological Incubator,	SA-01 (Intermediate)	Yes	Laminar Flow			
Faecal Coliform	Water bath, Autoclave (01 Nos.), Laminar Flow Bench, Microscope (100X)		Yes	Laminar Flow			

b) Regional Lab *Tharsi*

Parameters to be monitored	Laboratory's Requirement		SPCB/RCC's Lab's Status		Presenting a power	Gap Observed
	Infrastructure and capabilities required	Manpower	Parameters Monitored	Instrument/equipment Available		
Colour			Yes	Yes		
TSS			Yes	Yes		
TDS		Lab Head-01 (MSQ/Env. Sc. Chem.)	Yes	Yes		
Odour	Ice Box, Filtration assembly, Vacuum Pump, Thermometer/s, Refrigerator/s, Analytical balance, Desiccator,	Env. Scientist-01 (MSQ/Env. Sc. Chem.)	Yes	Yes		
Temperature			Yes	Yes		
pH			Yes	Yes		
Electrical Conductivity(EC)			Yes	Yes		
Dissolved Oxygen(DO)			Yes	Yes		
Ammoniacal Nitrogen			Yes	Yes		
Nitrite Nitrogen						
Total Phosphate	Vis-spectrophotometer, UV-Vis-Spectrophotometer, BH Meter, Conductivity meter, DO Meter, Hot Air Oven, BOD Incubator, COD digester, Condenser,	SA-01 (B. Sc./M. Sc./SSC)				
Calcium			Yes	Yes		
Magnesium			Yes	Yes		
Total Hardness		LA-01(M.Sc.) JRE-02 MTS-01	Yes	Yes		
Total Acidity			Yes	Yes		
Total Alkalinity			Yes	Yes		
Sodium			Yes	Yes		
Potassium			Yes	Yes		
Chloride	Auto Dispenser, Digital Burette, Water Purification System, Distillation assembly, Flame photometer, Multi flame		Yes	Yes		
Sulphate			Yes	Yes		
BOD			Yes	Yes		
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		
Fecal Coliform			Yes	Yes		

Prabhu
(SA)

Prabhu
(ASO)

Prabhu
(KIO)

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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	Present 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 condensers,	Colour	ASO-1 (M.Sc.)	
TSS		TSS	Ice Box-01	
TDS		TDS	Digital Analyser-01	SA-01 (M.Sc.)
Odour		Odour	Digital Thermometer	SA-02 (B.Sc.)
Temperature		Temperature	Refrigerator-01	SA-02 (B.Sc.)
pH		pH	Thermal Conductivity	Analytical Balance-02
electrical conductivity (EC)		electrical conductivity (EC)	Disolved Oxygen	Desiccator-02
Dissolved oxygen (DO)		Dissolved oxygen (DO)	Calcium	UV-Vis Spectro Photometer-01
Ammoniacal Nitrogen		Ammoniacal Nitrogen	Magnesium	pH Meter-02
Nitrate nitrogen		Nitrate nitrogen	Total Hardness	Conductivity Meter-01
Nitrite nitrogen,	Nitrite nitrogen,	Turbidity	Hot Air Oven-02	
Total Phosphate	Total Phosphate	TDS	BOD Incubator-02	
Calcium	Calcium		COD Digester-02	
Magnesium	Magnesium			
Total Hardness	Total Hardness			
Total Acidity	Total Acidity			

Total Alkalinity	Auto Dispenser, Digital Burette, Water Purification System/Distillate on assembly, Flame Photometer, Muffle furnace	Turbidity Meter-1	
Sodium			
Potassium			
Chloride			
Sulphate			
BOD			
COD			
Fluoride			
Boron			
Total Coliform			
Faecal Coliform	Faecal Coliform		
	SA-01 (B. Sc./M.Sc. (Env.Sc./Micro))	Bacteriological Incubator-1	
	Bacteriological Incubator, Water bath, Autoclave (02 Nos.), Laminar Flow Bench, Microscope (100X)	Autoclave-1	Laminar Flow Bench-1

S.A. 11.10.23

R.M. R.O.

A. S. O.

CENTRAL POLLUTION CONTROL BOARD

(MINISTRY OF ENVIRONMENT & FORESTS)

'Parivesh Bhawan', East Arjun Nagar

Dellhi -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,		SA-01 (B.Sc./M.Sc. (Sc.))	Odour	Analytical Balance	J.R.F.-03 (01-B.Tech. (Civil) 02-M.Sc. 03-M.Sc.)
Temperature	Refrigerators,	LA-01 (Sc.)	Temperature	Desiccator	M.A.-01 (12 th , ITI)	
pH	Analytical Balance,		MTS-01	pH	pH meter	F.A.-02 (01-M.Sc., 02-Diploma)
Electrical Conductivity (EC)	Desiccator,	SA-01 (B.Sc./M.Sc.) (Env.Sc./Micro.)	Electrical Conductivity (EC)	Conductivity Meter		
Dissolved Oxygen (DO)	Spectrophotometer,		SA-01 (B.Sc./M.Sc.) (Env.Sc./Micro.)	Dissolved Oxygen (DO)	Hot Air Oven	
Calcium	pH meter,		Calcium	BOD Incubator		

Sodium 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)	Magnesium	COD Digester		
Total Acidity		Total Hardness	Filtration Assembly		
Total Alkalinity		Chloride	Bacteriological Incubator,		
Chloride		BOD	Laminar flow Bench,		
Sulphate		COD			
BOD		Total Alkalinity			
COD		Total Coliform			
Ammonia Cal Nitrogen		Faecal Coliform			
Nitrate Nitrogen					
Nitrite Nitrogen					
Total phosphate					
Sodium					
Potassium					
Fluoride					
Boron					
Total Coliform					
Faecal Coliform					

CENTRAL POLLUTION CONTROL BOARD
(MINISTRY OF ENVIRONMENT & FORESTS)

Parkash Dhaswan, East Arjun Nagar,
 Delhi-110032.

GAP EVALUATION OF SPCB/PCB LABORATORY

1. Name of SPCB/PCB: Uttar Pradesh Pollution Control Board, Aligarh
2. Nos. of Labs. in SPCB/PCB: 01
- a) Regional Lab: 01

3. Laboratory requirement (Infrastructure and capabilities) to perform the water quality assessment under NWQMP for different labs of SPCB/PCBs:

Laboratory Parameters To be monitored	Requirements		SPCBs/PCBs Lab's Status			Cap Observed (For CPCB use only)
	Infrastructure and capabilities required	Manpower	Parameters being analysed	Instrument/equipment Available	Present Manpower	
Colour	Ice Boxes	Lab Head-01 (M.Sc. Env. Sc.; Chem.)	Colour	Ice Box	R.O.(I) (M.Sc.; PH.D)	
TSS	Filtration Assembly		TSS	Thermometers	A.S.O-01 (M.Sc)	
TDS	Vacuum pump		TDS	Deep Freezer	LA-01 (B.A.)	
Odour	Thermometers	Env. Scientist-01 (M.Sc.; Env. Sc.; Chem.)	Odour	Analytical Balance	J.R.F.-04 (01- B.Tech. (CIVIL) 02- M.Sc. (Chem) 03- M.Sc. (Zoology) 04- M.Tech (structure)	
	Refrigerators					
	Analytical Balance					
	Desiccator	SA-01 (B.Sc/M.Sc. (Sc))				
Temperature	Spectrophotometer	LA-01 (Sc)	Temperature	Desiccator	MA-01 (M.A.)	
pH	pH meter		pH	pH meter	FA-02 (01-M.A.) 02-B.A. (B.TD)	
	Conductivity meter	MTS-01				
Electrical Conductivity (EC)	DO meter	SA-01 (M.Sc.; Env. Sc.; Micro.)	Electrical Conductivity (EC)	Conductivity Meter		
Dissolved Oxygen (DO)	Hot Air Oven		Dissolved Oxygen (DO)	Hot Air Oven		
Calcium	Auto Dispenser		Calcium	ACID Incubator		
Magnesium	Digital Burette		Magnesium	Digestor		
Total Hardness	Water		Total Hardness	Filtration Assembly		

US

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

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**CENTRAL POLLUTION CONTROL BOARD
(MINISTRY OF ENVIRONMENT & FORESTS)
Parvesh 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:

2. Regional Lab :-

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,	Colour	Ice Box/s,	Lab Head-01 (Intermediate)
TSS	Filtration assembly,	TSS	Filtration assembly,	
TDS	Vacuum pump,	TDS	Vacuum pump,	Env Scientist-00 (M.Sc.- Env. Sc. Chemistry)
Odour	Thermometer/s, Refrigerator/s,	Odour	Thermometer/s, Refrigerator/s,	
Temperature	Refrigerator/s,	Temperature	Refrigerator/s,	SA-02
pH	Analytical balance,	pH	Analytical balance,	
electrical conductivity (EC)	Desiccator, Vis-Spectrophoto meter, UV-	electrical conductivity (EC)	Desiccator, Vis-Spectrophoto meter, UV-	1-(M. Sc. Env.) 2-(Intermediate.)
Disolved oxygen (DO)	Vis-Spectrophoto meter, pH meter,	Disolved oxygen (DO)	UV-Vis-Spectrophoto meter, pH meter,	LA-01 (B.Sc.)
Ammoniacal Nitrogen	Conductivity meter, DO meter, Hot air Oven,	No	Conductivity meter, DO meter, Hot air Oven,	
Nitrate Nitrogen	BOD incubator,	No	BOD incubator,	MA-01 (B.Sc)
Nitrite Nitrogen		No		
Total Phosphate		No		
		MTS-01		






Calcium	COD digester condensers, Auto Dispenser, Digital Burette, Water, Purification System/Distillation assembly, Flame Photometer, Muffle furnace	COD digester, condensers, Auto Dispenser, Digital Burette,	M.T.S-05	M. Sc (Microbiology)
Magnesium				
Total Hardness				
Total Acidity				
Total Alkalinity				
Sodium				
Potassium				
Chloride				
Sulphate				
BOD				
COD				
Fluoride				
Boron				
Total Coliform				
Faecal Coliform				

(80)
 S.S.A.
 P. 150

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 Instrument/ equipment	Manpower	Monitored	Instrument/equipment Available		
Colour	Ice Box/s, Filtration assembly, Vacuum pump, Thermometer/s, Refrigerator/s.	• Lab Head-01 (M.Sc. (Env. Sc., Chem.))	Colour	Ice Box/s, Thermometer/s, Refrigerator/s,	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		• Env. Scientist-01 (M.Sc. (Env. Sc., Chem.))	TSS		JRF-02	
TDS		• SA-01 (B.Sc./M.Sc.(Sc.))	TDS		FA-02	
Odour		• LA-01 (Sc.)	Odour	Analytical balance,		
Temperature		• MTS-01	Temperature	Desiccator, UV-Vis-Spectrophotometer, pH meter,		
pH	Analytical balance, Desiccator, Vis-Spectrophotometer, UV-Vis-Spectrophotometer, pH meter, Conductivity meter, DO meter, Hot Air Oven, BOD Incubator, COD digester condensers, Auto Dispenser, Digital Burette, Water Purification System/Distillation assembly, Flame Photometer, Muffle Furnace		Electrical conductivity (EC)	UV-Vis-Spectrophotometer, pH meter, Conductivity meter, Hot Air Oven, BOD Incubator, COD digester condensers, Auto Dispenser, Digital Burette, Water Purification System/Distillation assembly, Flame Photometer, Muffle Furnace		
Electrical conductivity (EC)			Dissolved Oxygen (DO)			
Dissolved Oxygen (DO)			Calcium			
Ammoniacal Nitrogen			Magnesium			
Nitrate nitrogen			Total Hardness			
Nitrite nitrogen			Total Alkalinity			

Regional Office
Uttar Pradesh Pollution Control Board
Ayodhya

Regional Laboratory						
Parameters To be monitored	Laboratory's Requirement		SPCUs/PCCs Lab's Status			Gap Observed
	Infrastructure and capabilities required		Parameters Monitored	Instrument/Equipment Available	Present Man power	
	Instrument/equipment	Manpower				
Color	Filtration assembly, Vacuum pump, Analytical, Vis-Spectrophotometer, UV-Vis-Spectrophotometer, Hot air Oven, Auto Dispenser Digital Burette, Water Purification System/Disinfection assembly, Flame Photometer,		TSS	Ice Box	SA- 02	
TSS			TDS	Vacuum pump	IR- 03	
TDS			Odour	Thermometer	LA- 02	
Odour			electrical conductivity	Refrigerator	FA- 01	
Temperature			Dissolved oxygen (DO)	Analytical balance	MS- 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 Chloride						
Sulphate						
BOD						
COD						
Fluoride						
Boron						
Total Coliform	Bacteriological incubator, Water bath, Laminar Flow Bench, Microscope (100X)					
Faecal Coliform						

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Regional Office: U.P. Pollution Control Board, Unnao

Regional Lab		Laboratory's Requirement		SPCBs/PCCs Lab's Status		
Parameters To be monitored	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)			electrical conductivity (EC)		Khushi Mishra (J.R.F)	
Dissolved oxygen (DO)	Analytical balance, Desiccator, Vis-Spectrophoto meter, UV-Vis-Spectrophoto meter, pH meter, Conductivity meter, DO meter, Hot air Oven, BOD incubator, COD digester		Dissolved oxygen (DO)	Analytical balance, Desiccator, UV-Vis-Spectrophoto meter, pH meter, DO meter, Hot air Oven, BOD incubator, COD digester	Sarvan Kumar (F.A)	
Ammoniacal Nitrogen		MTS-01	No.		Sushael Kumar Shukla (M.TS)	
Nitrate Nitrogen			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.			

18/11/2023

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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	Faecal Coliform		
	Water bath			
	Autoclave (02 Nos.)			
	Laminar Flow Bench			
	Microscope (100X)			
	SA-01 (B.Sc./M.Sc. (Env.Sc./Micro.))			
	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,	<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			Analytical Balance, Desiccators, Vis-Spectrophotometer, UV-Vis-Spectrophotometer,			TSS
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-Spectrophotometer		
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 .).			
Faecal Coliform					SA-01

a) Central Lab :- Nil



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

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

Annexure - 5

LIABILITIES	2019-20	2020-21	ASSETS	2019-20	2020-21
	AMOUNT (Rs.)	AMOUNT (Rs.)		AMOUNT (Rs.)	AMOUNT (Rs.)
CAPITAL FUNDS :-					
BALANCE AS PER LAST BALANCE SHEET	1,57,56,39,003.44	1,75,80,12,280.20	FIXED ASSETS (ANNEXURE -A)	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	CD & FDR	60,48,40,395.54	60,48,40,395.54
CURRENT LIABILITIES :-					
GIS A/C	1,11,194.00		CURRENT ASSETS :-		
H.B.A.A/C	82,46,096.16	1,10,90,529.16	Employee Advance	32,51,513.25	31,97,434.25
Medical Advance	7,57,136.16		TA DA advance	11,900.00	11,900.00
Bank Guaranty Received	51,58,000.00	51,58,000.00	Fund in transits	13,17,37,018.22	14,33,41,018.22
Festival Advance	8,50,732.00		Other Current Assets	60,53,157.68	82,65,657.68
Income Tax	(2,95,740.00)	(5,76,604.00)	Cash and Bank Balance	73,71,35,943.40	1,07,98,40,374.38
LIC	5,07,187.00	3,96,408.00	Computer advance	21,543.00	21,543.00
Other Current Liabilities	3,06,02,172.92	5,78,74,960.92	Medical Advances		8,61,613.84
Security	20,95,260.00	20,95,260.00	Festival Advance		4,57,986.00
Group Gratuity Claim	4,13,545.08	1,71,55,029.08			
CPF	15,20,699.90	16,20,397.90			
Vechnle 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. 4258770
UDIN No.

Anil Kumar Srivastava
Accounts Officer
(Incharge)

Pramod Kumar Agarwal
Chief Environment Officer
(Admin)

