

## LABORATORY INFRASTRUCTURE & ACCREDITATION

i)	Central Laboratory	Parwanoo
ii)	Address	HPSPCB, Central Laboratory, HCF 6-8, Sec.-4, Parwanoo, Teh. Kasauli, District Solan-173220
iii)	Accreditation of Laboratory	--
iv)	<b>Parameters which can be analysed in Laboratory</b>	
	<b>Air Parameters</b>	Sulfur Dioxide (SO <sub>2</sub> )
		Oxides of Nitrogen (NO <sub>x</sub> )
		Ozone (O <sub>3</sub> )
		Ammonia (NH <sub>3</sub> )
		Suspended Particulate Matter (SPM)
		Particulate Matter (PM <sub>10</sub> , PM <sub>2.5</sub> )
		Carbon Monoxide (CO)
		Lead (Pb)
		Nickel (Ni)
		Arsenic (As)
	<b>Water Parameters</b>	pH
		Conductance
		Temperature
		Turbidity
		Chemical Oxygen Demand (COD)
		Bio-Chemical Oxygen Demand (BOD)
		Dissolved Oxygen (DO)
		Total Suspended Solids (TSS)
		Total Dissolved Solids (TDS)
		Total Fixed Solids (TFS)
		Total Solids (TS)
		Mixed Liquid Suspended Solids (MLSS)
		Nitrite (NO <sub>2</sub> -N)
		Nitrate (NO <sub>3</sub> -N)

<b>Ammonical Nitrogen (NH<sub>3</sub>-N)</b>
<b>Total Kjeldahl Nitrogen (TKN)</b>
<b>Total Phosphate (PO<sub>4</sub><sup>2-</sup>)</b>
<b>Total Coliform (TC)</b>
<b>Fecal Coliform (FC)</b>
<b>Fecal Streptococci (FS)</b>
<b>Sulfate (SO<sub>4</sub><sup>2-</sup>)</b>
<b>Sulfide(S<sup>2-</sup>)</b>
<b>Fluoride (F<sup>-</sup>)</b>
<b>Chloride (Cl<sup>-</sup>)</b>
<b>Boron</b>
<b>T. Hardness as CaCO<sub>3</sub></b>
<b>Calcium Hardness as CaCO<sub>3</sub></b>
<b>Magnesium Hardness (MgH)</b>
<b>Ca<sup>++</sup></b>
<b>Mg<sup>++</sup></b>
<b>Sodium (Na<sup>+</sup>)</b>
<b>Potassium(K<sup>+</sup>)</b>
<b>Na%</b>
<b>SAR ( Sodium Absorption Ratio)</b>
<b>Chromium Hexavalent (Cr<sup>6+</sup>)</b>
<b>Oil and Grease(O&amp;G),</b>
<b>Phenolphthalein Alkalinity</b>
<b>Total Alkalinity</b>
<b>Acidity</b>
<b>Phenol</b>
<b>Heavy Metal viz, Lead (Pb), Nickel (Ni), Manganese (Mn), Copper (Cu), Total Chromium (TCr), Zinc (Zn), Iron (Fe), Cadmium (Cd), Arsenic (As), Mercury (Hg), Aluminium (Al)</b>
<b>Bio- monitoring (Saprobity Index &amp; Diversity Index).</b>

## LABORATORY INFRASTRUCTURE & ACCREDITATION

i)	Regional Laboratory	Sunder Nagar
ii)	Address	HPSPCB, Regional Laboratory, BBMB Colony, Sunder Nagar, District Mandi-175019
iii)	Accreditation of Laboratory	--
iv)	Parameters which can be analysed in Laboratory	
	Air Parameters	Sulfur Dioxide (SO <sub>2</sub> )
		Oxides of Nitrogen (NO <sub>x</sub> )
		Ozone (O <sub>3</sub> )
		Ammonia (NH <sub>3</sub> )
		Suspended Particulate Matter (SPM)
		Particulate Matter (PM <sub>10</sub> , PM <sub>2.5</sub> )
		Carbon Monoxide (CO)
		Lead (Pb)
		Nickel (Ni)
		Arsenic (As)
	Water Parameters	pH
		Conductance
		Temperature
		Turbidity
		Chemical Oxygen Demand (COD)
		Bio-Chemical Oxygen Demand (BOD)
		Dissolved Oxygen (DO)
		Total Suspended Solids (TSS)
		Total Dissolved Solids (TDS)
		Total Fixed Solids (TFS)
		Total Solids (TS)
		Mixed Liquid Suspended Solids (MLSS)
		Nitrite (NO <sub>2</sub> -N)
		Nitrate (NO <sub>3</sub> -N)

<b>Ammonical Nitrogen (NH<sub>3</sub>-N)</b>
<b>Total Kjeldahl Nitrogen (TKN)</b>
<b>Total Phosphate (PO<sub>4</sub><sup>2-</sup>)</b>
<b>Total Coliform (TC)</b>
<b>Fecal Coliform (FC)</b>
<b>Fecal Streptococci (FS)</b>
<b>Sulfate (SO<sub>4</sub><sup>2-</sup>)</b>
<b>Sulfide(S<sub>2</sub><sup>-</sup>)</b>
<b>Fluoride (F<sup>-</sup>)</b>
<b>Chloride (Cl<sup>-</sup>)</b>
<b>Boron</b>
<b>T. Hardness as CaCO<sub>3</sub></b>
<b>Calcium Hardness as CaCO<sub>3</sub></b>
<b>Magnesium Hardness (MgH)</b>
<b>Ca<sup>++</sup></b>
<b>Mg<sup>++</sup></b>
<b>Sodium (Na<sup>+</sup>)</b>
<b>Potassium(K<sup>+</sup>)</b>
<b>Na%</b>
<b>SAR ( Sodium Absorption Ratio)</b>
<b>Chromium Hexavalent (Cr<sup>6+</sup>)</b>
<b>Oil and Grease(O&amp;G),</b>
<b>Phenolphthalein Alkalinity</b>
<b>Total Alkalinity</b>
<b>Acidity</b>
<b>Phenol</b>
<b>Heavy Metal viz, Lead (Pb), Nickel (Ni), Manganese (Mn), Copper (Cu), Total Chromium (TCr), Zinc (Zn), Iron (Fe), Cadmium (Cd), Arsenic (As), Mercury (Hg), Aluminium (Al)</b>
<b>Bio- monitoring (Saprobity Index &amp; Diversity Index).</b>

**LABORATORY INFRASTRUCTURE & ACCREDITATION**

i)	Laboratory	Paonta Sahib
ii)	Address	HPSPCB, Regional Laboratory, HIMUDA Colony, Shubhkhera, Paonta Sahib, District Sirmour-173025
iii)	Accreditation of laboratory	NABI Accrediated (ISO/IEC 17025:2017) valid upto 21.06.2025
iv)	<b>Parameters which can be analysed in Laboratory</b>	
	<b>Air Parameters</b>	Sulfur Dioxide (SO <sub>2</sub> )
		Oxides of Nitrogen (NO <sub>x</sub> )
		Ozone (O <sub>3</sub> )
		Ammonia (NH <sub>3</sub> )
		Suspended Particulate Matter (SPM)
		Particulate Matter (PM <sub>10</sub> , PM <sub>2.5</sub> )
		Carbon Monoxide (CO)
		Lead (Pb)
		Nickel (Ni)
		Arsenic (As)
	<b>Water Parameters</b>	pH
		Conductance
		Temperature
		Turbidity
		Chemical Oxygen Demand (COD)
		Bio-Chemical Oxygen Demand (BOD)
		Dissolved Oxygen (DO)
		Total Suspended Solids (TSS)
		Total Dissolved Solids (TDS)
		Total Fixed Solids (TFS)
		Total Solids (TS)
		Mixed Liquid Suspended Solids (MLSS)
		Nitrite (NO <sub>2</sub> -N)
		Nitrate (NO <sub>3</sub> -N)

<b>Ammonical Nitrogen (NH<sub>3</sub>-N)</b>
<b>Total Kjeldahl Nitrogen (TKN)</b>
<b>Total Phosphate (PO<sub>4</sub><sup>2-</sup>)</b>
<b>Total Coliform (TC)</b>
<b>Fecal Coliform (FC)</b>
<b>Fecal Streptococci (FS)</b>
<b>Sulfate (SO<sub>4</sub><sup>2-</sup>)</b>
<b>Sulfide(S<sub>2</sub><sup>-</sup>)</b>
<b>Fluoride (F<sup>-</sup>)</b>
<b>Chloride (Cl<sup>-</sup>)</b>
<b>Boron</b>
<b>T. Hardness as CaCO<sub>3</sub></b>
<b>Calcium Hardness as CaCO<sub>3</sub></b>
<b>Magnesium Hardness (MgH)</b>
<b>Ca<sup>++</sup></b>
<b>Mg<sup>++</sup></b>
<b>Sodium (Na<sup>+</sup>)</b>
<b>Potassium(K<sup>+</sup>)</b>
<b>Na%</b>
<b>SAR ( Sodium Absorption Ratio)</b>
<b>Chromium Hexavalent (Cr<sup>6+</sup>)</b>
<b>Oil and Grease(O&amp;G),</b>
<b>Phenolphthalein Alkalinity</b>
<b>Total Alkalinity</b>
<b>Acidity</b>
<b>Phenol</b>
<b>Heavy Metal viz, Lead (Pb), Nickel (Ni), Manganese (Mn), Copper (Cu), Total Chromium (TCr), Zinc (Zn), Iron (Fe), Cadmium (Cd), Arsenic (As), Mercury (Hg)</b>
<b>Bio- monitoring (Saprobity Index &amp; Diversity Index).</b>

**LABORATORY INFRASTRUCTURE & ACCREDITATION**

<b>i)</b>	<b>Laboratory</b>	<b>Dharamshala</b>
<b>ii)</b>	<b>Address</b>	<b>HPSPCB, Regional Laboratory, Him Parivesh Bhawan, Near GSSS Dari, Tehsil Dharamshala, District Kangra-176057</b>
<b>iii)</b>	<b>Accreditation of laboratory</b>	<b>--</b>
<b>iv)</b>	<b>Parameters which can be analysed in Laboratory</b>	
	<b>Air Parameters</b>	<b>Sulfur Dioxide (SO<sub>2</sub>)</b>
		<b>Oxides of Nitrogen (NO<sub>x</sub>)</b>
		<b>Ozone (O<sub>3</sub>)</b>
		<b>Ammonia (NH<sub>3</sub>)</b>
		<b>Suspended Particulate Matter (SPM)</b>
		<b>Particulate Matter (PM<sub>10</sub>, PM<sub>2.5</sub>)</b>
		<b>Carbon Monoxide (CO)</b>
		<b>Lead (Pb)</b>
		<b>Nickel (Ni)</b>
		<b>Arsenic (As)</b>
		<b>Iron (Fe)</b>
		<b>Aluminium (Al)</b>
	<b>Water Parameters</b>	<b>pH</b>
		<b>Conductance</b>
		<b>Temperature</b>
		<b>Turbidity</b>
		<b>Chemical Oxygen Demand (COD)</b>
		<b>Bio-Chemical Oxygen Demand (BOD)</b>
		<b>Dissolved Oxygen (DO)</b>
		<b>Total Suspended Solids (TSS)</b>
		<b>Total Dissolved Solids (TDS)</b>
		<b>Total Fixed Solids (TFS)</b>
		<b>Total Solids (TS)</b>
		<b>Mixed Liquid Suspended Solids (MLSS)</b>
		<b>Nitrite (NO<sub>2</sub>-N)</b>

Nitrate (NO <sub>3</sub> -N)
Ammonical Nitrogen (NH <sub>3</sub> -N)
Total Kjeldahl Nitrogen (TKN)
Total Phosphate (PO <sub>4</sub> <sup>2-</sup> )
Total Coliform (TC)
Fecal Coliform (FC)
Fecal Streptococci (FS)
Sulfate (SO <sub>4</sub> <sup>2-</sup> )
Sulfide(S <sub>2</sub> <sup>-</sup> )
Fluoride (F <sup>-</sup> )
Chloride (Cl <sup>-</sup> )
Boron
T. Hardness as CaCO <sub>3</sub>
Calcium Hardness as CaCO <sub>3</sub>
Magnesium Hardness (MgH)
Ca <sup>++</sup>
Mg <sup>++</sup>
Sodium (Na <sup>+</sup> )
Potassium(K <sup>+</sup> )
Na%
SAR ( Sodium Absorption Ratio)
Chromium Hexavalent (Cr <sup>6+</sup> )
Oil and Grease(O&G),
Phenolphthalein Alkalinity
Total Alkalinity
Acidity
Phenol
Total Cyanide
Heavy Metal viz, Lead (Pb), Nickel (Ni), Manganese (Mn), Copper (Cu), Total Chromium (TCr), Zinc (Zn), Iron (Fe), Cadmium (Cd), Arsenic (As), Mercury (Hg), Aluminium (Al), Selenium (Se)
Bio- monitoring (Saprobity Index & Diversity Index).



## LABORATORY INFRASTRUCTURE & ACCREDITATION

i)	<b>Laboratory</b>	Shimla
ii)	<b>Address</b>	HPSPCB, Regional Laboratory, Below BCS; Phase-III, New Shimla, District Shimla-171009
iii)	<b>Accreditation of Laboratory</b>	NABL Accredited (ISO/IEC 17025:2017) valid upto 24.08.2025
iv)	<b>Parameters which can be analysed in Laboratory</b>	
	<b>Air Parameters</b>	Sulfur Dioxide (SO <sub>2</sub> )
		Oxides of Nitrogen (NO <sub>x</sub> )
		Ozone (O <sub>3</sub> )
		Ammonia (NH <sub>3</sub> )
		Suspended Particulate Matter (SPM)
		Particulate Matter (PM <sub>10</sub> , PM <sub>2.5</sub> )
		Carbon Monoxide (CO)
		Lead (Pb)
		Nickel (Ni)
		Arsenic (As)
	<b>Water Parameters</b>	pH
		Conductance
		Temperature
		Turbidity
		Chemical Oxygen Demand (COD)
		Bio-Chemical Oxygen Demand (BOD)
		Dissolved Oxygen (DO)
		Total Suspended Solids (TSS)
		Total Dissolved Solids (TDS)
		Total Fixed Solids (TFS)
		Total Solids (TS)
		Mixed Liquid Suspended Solids (MLSS)
		Nitrite (NO <sub>2</sub> -N)
		Nitrate (NO <sub>3</sub> -N)
		Ammonical Nitrogen (NH <sub>3</sub> -N)
		Total Kjeldahl Nitrogen (TKN)
		Total Phosphate (PO <sub>4</sub> <sup>2-</sup> )
		Ortho Phosphate

	<b>Total Coliform (TC)</b>
	<b>Fecal Coliform (FC)</b>
	<b>Fecal Streptococci (FS)</b>
	<b>E.Coli</b>
	<b>Sulfate (SO42-)</b>
	<b>Sulfide(S2-)</b>
	<b>Fluoride (F-)</b>
	<b>Chloride (Cl-)</b>
	<b>Boron</b>
	<b>T. Hardness as CaCO3</b>
	<b>Calcium Hardness as CaCO3</b>
	<b>Magnesium Hardness (MgH)</b>
	<b>Ca++</b>
	<b>Mg++</b>
	<b>Sodium (Na+)</b>
	<b>Potassium(K+)</b>
	<b>Na%</b>
	<b>SAR (Sodium Absorption Ratio)</b>
	<b>Chromium Hexavalent (Cr6+)</b>
	<b>Oil and Grease(O&amp;G),</b>
	<b>Phenolphthalein Alkalinity</b>
	<b>Total Alkalinity</b>
	<b>Acidity</b>
	<b>Phenol</b>
	<b>Residual Chlorine</b>
	<b>Heavy Metal viz, Lead (Pb), Nickel (Ni), Manganese (Mn), Copper (Cu), Total Chromium (TCr), Zinc (Zn), Iron (Fe), Cadmium (Cd), Arsenic (As), Mercury (Hg), Aluminium (Al), Selenium(Se)</b>
	<b>Bio- monitoring (Saprobity Index &amp; Diversity Index).</b>

<b>LABORATORY INFRASTRUCTURE &amp; ACCREDITATION</b>		
<b>i)</b>	<b>Laboratory</b>	<b>Una</b>
<b>ii)</b>	<b>Address</b>	<b>HPSPCB, Phase IV, Rakkar Colony, Una</b>
<b>iii)</b>	<b>Accreditation of Laboratory</b>	<b>--</b>
<b>iv)</b>	<b>Parameters which can be analysed in Laboratory</b>	
	<b>Air Parameters</b>	<b>Sulfur Dioxide (SO<sub>2</sub>)</b>
		<b>Oxides of Nitrogen (NO<sub>x</sub>)</b>
		<b>Ozone (O<sub>3</sub>)</b>
		<b>Ammonia (NH<sub>3</sub>)</b>
		<b>Suspended Particulate Matter (SPM)</b>
		<b>Particulate Matter (PM<sub>10</sub>, PM<sub>2.5</sub>)</b>
		<b>Carbon Monoxide (CO)</b>
		<b>Lead (Pb)</b>
		<b>Nickel (Ni)</b>
		<b>Arsenic (As)</b>
	<b>Water Parameters</b>	<b>pH</b>
		<b>Conductance</b>
		<b>Temperature</b>
		<b>Turbidity</b>
		<b>Chemical Oxygen Demand (COD)</b>
		<b>Bio-Chemical Oxygen Demand (BOD)</b>
		<b>Dissolved Oxygen (DO)</b>
		<b>Total Suspended Solids (TSS)</b>
		<b>Total Dissolved Solids (TDS)</b>
		<b>Total Fixed Solids (TFS)</b>
		<b>Total Solids (TS)</b>
		<b>Mixed Liquid Suspended Solids (MLSS)</b>
		<b>Nitrite (NO<sub>2</sub>-N)</b>
		<b>Nitrate (NO<sub>3</sub>-N)</b>
		<b>Ammonical Nitrogen (NH<sub>3</sub>-N)</b>
		<b>Total Kjeldahl Nitrogen (TKN)</b>

<b>Total Phosphate (PO<sub>4</sub><sup>2-</sup>)</b>
<b>Ortho Phosphate</b>
<b>Total Coliform (TC)</b>
<b>Fecal Coliform (FC)</b>
<b>Fecal Streptococci (FS)</b>
<b>E.Coli</b>
<b>Sulfate (SO<sub>4</sub><sup>2-</sup>)</b>
<b>Sulfide(S<sub>2</sub><sup>-</sup>)</b>
<b>Fluoride (F<sup>-</sup>)</b>
<b>Chloride (Cl<sup>-</sup>)</b>
<b>Boron</b>
<b>T. Hardness as CaCO<sub>3</sub></b>
<b>Calcium Hardness as CaCO<sub>3</sub></b>
<b>Magnesium Hardness (MgH)</b>
<b>Ca<sup>++</sup></b>
<b>Mg<sup>++</sup></b>
<b>Sodium (Na<sup>+</sup>)</b>
<b>Potassium(K<sup>+</sup>)</b>
<b>Na%</b>
<b>SAR (Sodium Absorption Ratio)</b>
<b>Chromium Hexavalent (Cr<sup>6+</sup>)</b>
<b>Oil and Grease(O&amp;G),</b>
<b>Phenolphthalein Alkalinity</b>
<b>Total Alkalinity</b>
<b>Acidity</b>
<b>Phenol</b>
<b>Residual Chlorine</b>
<b>Heavy Metal viz, Lead (Pb), Nickel (Ni), Manganese (Mn), Copper (Cu), Total Chromium (TCr), Zinc (Zn), Iron (Fe), Cadmium (Cd), Arsenic (As), Mercury (Hg), Aluminium (Al), Selenium(Se)</b>
<b>Bio- monitoring (Saprobity Index &amp; Diversity Index).</b>