

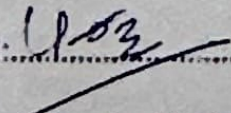


SAFE DRINKING WATER AND SANITARY CONDITION CERTIFICATE

No.:.....

Dated: 14/12/23

It is certified that an inspection team from IIT Mandi Health Centre inspected the Campus School Building of IIT Mandi at North campus, IIT Mandi, Himachal Pradesh on 01.11.2023 and found that the Mind Tree IIT Mandi Campus School has safe drinking water facilities for the students and members of staff of the institution and is maintaining the hygienic sanitation condition in the school building & the campus as per norms prescribed by the Central / state / U.T. Govt.

Signature with Seal: 

Name: Dr. Chander Singh

Designation: Principal Medical Officer

प्रधान चिकित्सा अधिकारी / Principal Medical Officer
चिकित्सा केंद्र / Health Centre
आ. प्रौ. सं. मण्डी (हि.प्र.) / IIT Mandi (H.P.)-175075.

REPORT OF PHYSICAL CHEMICAL & BACTERIOLOGICAL EXAMINATION OF WATER SAMPLE

Lab Ref No. 5
 Sender IIT MANDI CAMPUS
 Name of water supply scheme
 Source
 Where collected ST2
 Date and Time of Collection 18-04-2023,9:15 a.m
 Date and Time of arrival in lab 18-04-2023,11:00 a.m
 Date and Time of commencing 18-04-2023,11:15 a.m

PHYSICAL EXAMINATION

Parameter	Acceptable Limit	Result
Colour(Hazan Scale Unit)	5	nil
Taste and odour (Qualitative)	Agreeable	nil
Turbidity(NTU)	5 NTU	0.00NTU
Conductivity MS/TDS		167us/108ppm
Ph	6.5 to 8.5	7.65
Temperature(°C)		25.99 degree celsius
Dissolved Oxygen as O2		5.94
TSS		0.01ppm

CHEMICAL EXAMINATION (RESULT IN MG/L)

Parameter	Acceptable Limit	Result	Parameter	Acceptable Limit	Result
Alkalinity			Major Ions		
Phen Alkalinity as CaCO3	0 mg/l		CA (Calcium)	75 mg/l	20.8mg/l
M.O Alkalinity as CaCO3	44mg/l		MG (Magnesium)	30 mg/l	11.712mg/l
Total Alkalinity as CaCO3	200 mg/l	44mg/l	NA (Sodium)		not conducted
Hardness			k (potassium)		not conducted
Calcium Hardness CaCO3		52mg/l	Cl (Chlorides)	250 mg/l	28.4 mg/l
Total Hardness CaCO3	200 mg/l	100mg/l	SO4 (Sulphate)	250 mg/l	not conducted
Org Matter			CO3 (Carbonate)		44mg/l
BOD		not conducted	HCO3 (Bicarbonate)		not conducted
COD		not conducted	Fe (Iron)	0.3	not conducted
Nutrients			F (Flouride)	1	not conducted
Nitrate (NO3)(No2+No3)	45mg	not conducted	CL2 Free Residual Chlorine as	0.2 to 0.3	not conducted
Nitrate (NO2)	10.2	not conducted	Total organic carbon	<2	0.672

BACTERIOLOGICAL EXAMINATION

MPN of Coliforms: Not conducted
 MPN of Faecal Coliforms: N/c
 (Coliforms count should be zero in any sample of 100ml from water entering the distribution system)

BIOLOGICAL EXAMINATION

OPINION

All Parameters Are Acceptable in Their Limits


 Assistant Chemist


 Junior Engineer


 Assistant Engineer
 Hydrology C&M
 Sub Division Mandi

REPORT OF PHYSICAL CHEMICAL & BACTERIOLOGICAL EXAMINATION OF WATER SAMPLE

Lab Ref No. 2
 Sender IIT MANDI CAMPUS
 Name of water supply scheme
 Source
 Where collected Main Tank
 Date and Time of Collection 09-03-2023, 8:50 a.m
 Date and Time of arrival in lab 09-03-2023, 11:00 a.m
 Date and Time of commencing 09-03-2023, 11:15 a.m

PHYSICAL EXAMINATION		
Parameter	Acceptable Limit	Result
Colour(Hazan Scale Unit)	5	nil
Taste and odour (Qualitative)	Agreeable	nil
Turbidity(NTU)	5 NTU	0.00NTU
Conductivity MS/TDS		204us/133ppm
Ph	6.5 to 8.5	7.66
Temperature(°C)		19.46 degree celsius
Dissolved Oxygen as O2		7.87ppm
TSS		0.01ppm

CHEMICAL EXAMINATION (RESULT IN MG/L)					
Parameter	Acceptable Limit	Result	Parameter	Acceptable Limit	Result
Alkalinity			Major Ions		
Phen Alkalinity as CaCO3		0 mg/l	CA (Calcium)	75 mg/l	24.0mg/l
M.O Alkalinity as CaCO3		104mg/l	MG (Magnesium)	30 mg/l	7.808 mg/l
Total Alkalinity as CaCO3	200 mg/l	104mg/l	NA (Sodium)		not conducted
Hardness			k (potassium)		not conducted
Calcium Hardness CaCO3		60mg/l	CL (Chlorides)	250 mg/l	34.08 mg/l
Total Hardness CaCO3	200 mg/l	92mg/l	SO4 (Sulphate)	250 mg/l	not conducted
Org Matter			CO3 (Carbonate)		104mg/l
BOD		not conducted	HCO3 (Bicarbonate)		not conducted
COD		not conducted	Fe (Iron)	0.3	not conducted
Nutrients			F (Flouride)	1	not conducted
Nitrate (NO3)(No2+No3)	45mg	not conducted	CL2 Free Residual Chlorine as	0.2 to 0.3	not conducted
Nitrate (NO2)	10.2	not conducted	Total organic carbon	<2	0

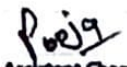
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