



PCRI/051

प्रदूषण नियंत्रण अनुसंधान संस्थान

भारत हेवी इलेक्ट्रिकल्स लिमिटेड, रानीपुर, हरिद्वार (उत्तराखण्ड)

POLLUTION CONTROL RESEARCH INSTITUTE

(A Govt. of India - UNDP / UNIDO Project)

BHARAT HEAVY ELECTRICALS LIMITED

RANIPUR, HARIDWAR (U.K.) - 249 403

(Approved Lab under Environment (Protection) Act, 1986; EIA Consultancy by NABET, QCI)

TEST REPORT

Lab Reference No: TL240794 **Date :** 30.12.2024

Indentor Dr. Vijay Kumar Upadhyay, Registrar, Tula's Institute Dehradun,
Dhoolkot, P.O. Selaqui, Chakrata Road, Dehradun- 248011
(U.K.)

Customer's Ref. No.: Email Dated 10.12.2024

Work Order No.: 24-0101-O-291

Sample Collected by: Indentor **Collection Date:** 10.12.2024

Sample/Job: Drinking Water Sample from Tula's Institute Dehradun

PARAMETER	UNIT	OBTAINED VALUE	STANDARD LIMITS (IS 10500:2012)	
			Acceptable	Permissible
Alkalinity	mg/L	320	200	600
Aluminium (as Al)	mg/L	0.01	0.03	0.2
Ammonia (as Total Ammonia - N)	mg/L	ND	0.5	NR
Arsenic (as As)	mg/L	ND	0.01	0.05
Boron (as B)	mg/L	ND	0.5	1.0
Cadmium (as Cd)	mg/L	ND	0.003	NR
Calcium (as Ca)	mg/L	111.42	75	200
Chloride (as Cl)	mg/L	20	250	1000
Chromium Total (as Cr)	mg/L	ND	0.05	NR
Colour	Hazen	<5	5	15
Copper (as Cu)	mg/L	ND	0.05	1.5
Cyanide (as CN)	mg/L	ND	0.05	NR
E. coli	MPN/100 mL	Absent	Absent	NR
Fecal Coliform	MPN/100 mL	Absent	Absent	NR
Fluoride (as F)	mg/L	1.25	1.0	1.5
Hardness (as CaCO ₃)	mg/L	390	200	600
Iron (as Fe)	mg/L	0.04	0.3	NR
Lead (as Pb)	mg/L	0.01	0.01	NR
Magnesium (as Mg)	mg/L	27.14	30	100

Contd..2

Remarks :- (1) This report refers only to the particular sample/job submitted for testing.
(2) This report is not to be reproduced wholly or partly and can not be used as an evidence in the court of law and should not be used in any advertising media without our special permission in writing.
(3) Samples will be disposed off after one month from the date of issue of Test Certificate



PCRI/051

प्रदूषण नियंत्रण अनुसंधान संस्थान
भारत हेवी इलेक्ट्रिकल्स लिमिटेड, रानीपुर, हरिद्वार (उत्तराखंड)
POLLUTION CONTROL RESEARCH INSTITUTE
 (A Govt. of India – UNDP / UNIDO Project)
BHARAT HEAVY ELECTRICALS LIMITED
RANIPUR, HARIDWAR (U.K.) - 249 403

(Approved Lab under Environment (Protection) Act, 1986; EIA Consultancy by NABET, QCI)

TEST REPORT

-Page 2-

Lab Reference No:	TL240794	Date :	30.12.2024	
PARAMETER	UNIT	OBTAINED VALUE	STANDARD LIMITS (IS 10500:2012)	
			Acceptable	Permissible
Manganese (as Mn)	mg/L	0.01	0.1	0.3
Mercury (as Hg)	mg/L	ND	0.001	NR
Mineral Oil (Oil & Grease)	mg/L	ND	0.5	NR
Nickel (as Ni)	mg/L	0.01	0.02	NR
Nitrate (as NO ₃)	mg/L	4.8	45	NR
Odour	-	Agreeable	Agreeable	NR
pH	-	7.55	6.5-8.5	NR
Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	ND	0.001	0.002
Selenium (as Se)	mg/L	ND	0.01	NR
Silver (as Ag)	mg/L	ND	0.1	NR
Sulphate (as SO ₄)	mg/L	75.76	200	400
Taste	-	Agreeable	Agreeable	NR
Total Coliform	MPN/100 mL	Absent	Absent	NR
Total Dissolved Solids	mg/L	508	500	2000
Total Residual Chlorine	mg/L	ND	0.2	1.0
Turbidity	NTU	7.10	1	5
Zinc (as Zn)	mg/L	0.18	5	15

ND - Not Detectable

NR - No Relaxation

Prepared by

Ankur Mohan
Sr. Engineer (PCRI)

Approved by

Shivam Saran
Manager (PCRI)

Remarks :- (1) This report refers only to the particular sample/job submitted for testing.

(2) This report is not to be reproduced wholly or partly and can not be used as an evidence in the court of law and should not be used in any advertising media without our special permission in writing.

(3) Samples will be disposed off after one month from the date of issue of Test Certificate

