

Office of the Assistant Engineer  
Public Health Engineering department, Sub. Division, Indore  
Radio colony, pani ki tanki, Indore

394  
No. /Lab/A.E./P.H.E./ Sub.dvn/2024

Indore/ Date. 20.3/24

//Certificate//

It is certified that an Inspection by Mr. Nisrendra Singh Chitrava  
Chemist, District Water Testing Laboratory, P.H.E. Sub.  
division, Indore Inspected the Queen's College Indore  
(M.P.) and found that the, Queen's College  
Indore (M.P.) has safe drinking water  
facilities for the students and staffs members of the  
Institution and is maintaining the hygienic sanitation  
condition in the School building.

The above valid for a period of One year.

Nisrendra Singh Chitrava  
Assistant Engineer  
Public Health Engineering Department  
Sub. Division Indore

Nisrendra Singh Chitrava  
Chemist  
District Water Testing Laboratory  
P. H. E. D., Indore (M.P.)  
Signature with Seal  
Name- Nisrendra Singh Chitrava  
Designation- Chemist

To,  
Queen's College  
Indore (M.P.)

# PUBLIC HEALTH ENGINEERING DEPARTMENT

DISTRICT WATER TESTING LABORATORY P.H.E.D. INDORE ( M.P.)

## ANALYSIS REPORT

Type of sample :-

Particular of sender :-

Particular of sample

R.O. water sample  
Principal, Queen's College, Indore

Collected/Not collected by PHED

Sample no.	Place of collection and details of sample	Date
01	R.O. water sample, Queen's College Indore	18/03/24

particular to be filled in the laboratory

Date of Receipt:- 18/03/24	Time of Receipt:- 18/03/24
Lab Reference No. 39/18-03-24	Date of Analysis:- 18/03/24

### Nature of study- Chemical and Bacteriological Analysis

S.no.	Characteristics	Unit	As Per BIS -10500:2012 for Drinking water		Result			
			Requirement (Desirable Limit)	Permissible Limit in the absence of alternet source	Sample 1	Sample 2	Sample 3	Sample 4

#### PHYSICAL TESTS

1	Temperature	°C	-	-	-			
2	Turbidity	NTU	1.0	5.0	2			
3	Colour	Hazen	5	15				
4	Odour	-	Unobjectionable	Unobjectionable	Unobjectionable			

#### CHEMICAL TESTS

5	pH	pH Scale	6.5 to 8.5	No relaxation	8.27			
6	Total Hardness as CaCO <sub>3</sub>	Mg/l	200	600	309			
7	Calcium as Ca <sup>++</sup>	Mg/l	75	200	76.4			
8	Magnisium as Mg <sup>++</sup>	Mg/l	30	100	28.32			
9	Total Alkalinity as CaCO <sub>3</sub>	Mg/l	200	600	206			
10	Chloride as Cl	Mg/l	250	1000	53			
11	Nitrate as NO <sub>3</sub>	Mg/l <sup>-</sup>	45	45	15			
12	Total Dissolved Solids	Mg/l	500	2000	401			
13	Iron	Mg/l	1.0	1.0	0.20			
14	Sulphate as SO <sub>4</sub>	Mg/l	200	400	25.08			
15	Fluoride as F <sup>-</sup>	Mg/l	1.0	1.5	0.20			
16	Manganese as Mn	Mg/l	0.1	0.3	00			
17	Residual chlorine as Cl <sub>2</sub>	Mg/l	0.2	1.0				
18	Arsenic	Mg/l	0.01	0.01				

#### BACTERIOLOGICAL TESTS

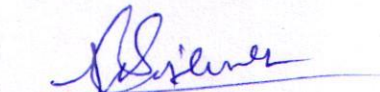
19	MPN of Coliform	Per 100 ml	Nil		00			
20	Faecal Coliform	Per 100 ml			00			

NOTES :- The figure indicated under the column "**Requirment (Desirable Limit)**" the limits unto which water is generally acceptable to the consumers. Figures in excess of those mentioned under "**Requirment (Desirable Limit)**" the water not acceptable , but still may be tolerated in the absence of an alternative and better source but upto the limits indicated under column "**Permissible Limit in the absence of alternet source**" above which the source will have to be rejected (**Guidline values for Drinking Water as Per BIS 10500**) (2012)

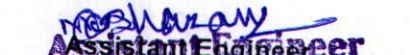
In All water intended for Drinking Water E.Coli or Thermo tolerant Coliform Bacteria must not be Detectable in any 100 ml sample.

Treated water entering in / in distribution system E.Coli or Thermo Tolerent Coliform bacteria and Total Coliform bacteria must not be detectable in any 100 ml sample. In case of large supplies, Where sufficient samples are examined must not be present in 95% of samples taken through out any 12 months period.

Remark if any :- All P<sub>2</sub> above test water sample is found potable water.

  
Chemist

District Water Testing Laboratory  
P.H.E. Sub.Dn.Indore  
Distt. Indore

  
Assistant Engineer  
PHE Sub Dn Indore  
Public Health Engineering  
Dist-Indore, (M.P.)  
Department Sub. Dn. Indore

NO. 394 /lab/ A.E/ Phe.sub.Division Indore Date 20/3/24