

PUBLIC HEALTH ENGINEERING DEPARTMENT

DISTRICT WATER TESTING LABORATORY PHE INDORE

ANALYSIS REPORT

Type of sample - Tube well sample
 Particular of sender - Rini Jain, Principal Arguta International School Ramgarh, Jh
 Particular of sample - Collected/Not collected by PHED

sample no.	place of collection and details of sample	date
01	<u>Tube well sample, Rini Jain, Principal, Arguta International School, Ramgarh, Mandi Pithi, Indore.</u>	<u>11/11/22</u>

particular to be filled in the laboratory

Date of Receipt: <u>11/11/2022</u>	Time of Receipt: <u>11.20 AM</u>
Lab Reference No: <u>16/11/11/2022</u>	Date of Analysis: <u>11/11/22</u>

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	Sample	Sample	Sample
					01			

PHYSICAL TESTS

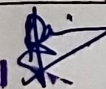
S.No.	Characteristic	Unit	Requirement	Permissible Limit	Result
1	Temperature	°C	-	-	-
2	Turbidity	NTU	1.0	5.0	3.1
3	Colour	Hazen	5	15	-
4	Odour	-	Unobjectionable	Unobjectionable	<u>unobjectionable</u>

CHEMICAL TESTS

S.No.	Characteristic	Unit	Requirement	Permissible Limit	Result
5	pH	pH Scale	6.5 to 8.5	No relaxation	7.33
6	Total Hardness as CaCO ₃	Mg/l	200	600	360
7	Calcium as Ca ⁺⁺	Mg/l	75	200	80
8	Magnesium as Mg ⁺⁺	Mg/l	30	100	38.4
9	Total Alkalinity as CaCO ₃	Mg/l	200	600	500
10	Chloride as Cl ⁻	Mg/l	250	1000	120
11	Nitrate as NO ₃	Mg/l	45	45	35.40
12	Total Dissolved solids	Mg/l	500	2000	684.4
13	Iron	Mg/l	1.0	1.0	0.20
14	Sulphate as SO ₄	Mg/l	200	400	76.8
15	Fluoride as F ⁻	Mg/l	1.0	1.5	0.40
16	Manganese as Mn	Mg/l	0.1	0.3	00
17	Residual chlorine as Cl ₂	Mg/l	0.2	1.0	-
18	Arsenic	Mg/l	0.01	0.01	-

BACTERIOLOGICAL TESTS

S.No.	Characteristic	Unit	Requirement	Permissible Limit	Result
19	MPN of Coliform	Per 100 ml	Nil		0
20	Faecal Coliform	Per 100 ml			0


Principal
Arguta International School

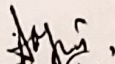
NOTES :- The figure indicated under the column "Requirement (Desirable Limit)" the limits unto which water is generally acceptable to the consumers. Figures in excess of those mentioned under "Requirement (Desirable Limit)" the water not acceptable, but still may be tolerated in the absence of an alternative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

10500 :2012)

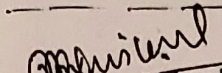
In All water intended for Drinking Water E.Coli or Thermo tolerant Coliform Bacteria must not be Detectable in any 100 ml sample.

Treated water entering in / in distribution system E.Coli or Thermo Tolerant 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.

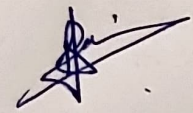
Remark if any :- As per above test water sample is found potable water.


Chemist

District Water Testing Laboratory
PHE Division Indore (M.P.)


Assistant Engineer
Assistant Engineer
PHE Sub-Div. Indore Engineering
Department (M.P.) Indore

NO. 1756 Lab/ A.E./Phe.Sub.Division Indore Date 11/11/2022


Principal
Arguta International School

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

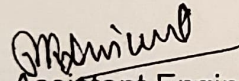
No. 1756 / Lab/A.E./P.H.E./ Sub.dvn/2022

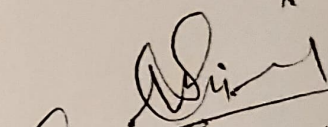
Indore/ Date 11.11.2022

//Certificate//

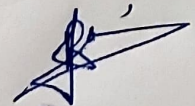
It is certified that an Inspection by Shri.Virendra Singh Girwar, Chemist, District Water Testing Laboratory, P.H.E. Sub division, Indore Inspected the Arguta International School, gram- Ramgarh ,panchyat -Garipipliya Tehsil Indore, District Indore (M.P.) on 11.11.2022 and found that the Arguta International School, gram- Ramgarh ,panchyat -Garipipliya Tehsil Indore District Indore (M.P.) Indore 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.


Assistant Engineer
Public Health Engineering Department
Sub division Indore


District Water Testing Laboratory
P.H.E. D., Indore (M.P.)
Signature With Seal
Name- Virendra Singh Girwar
Designation- Chemist (P.H.E.)

To,
Arguta International School
Gram -Ramgarh,panchyat- Garipipliya
Tehsil Indore, District Indore (M.P.)


Principal
Arguta International School

कार्यालय सहायक यंत्री,
लोक स्वास्थ्य यांत्रिकी विभाग उपखण्ड इंदौर

दिनांक 04/11/22

कमांक 1740 / प्रयोगशाला / लो.स्वा.या.विभाग / उपखण्ड इंदौर
प्रति,

Pini Jain Dubey
Principal
Arguta International School

विषय :- जल परीक्षण के कार्य का शुल्क जमा कराने बाबत।

संदर्भ:- आपका पत्र कमांक दिनांक

04/11/2022
Pini Jain Principal द्वारा

उपरोक्त विषय में लेख है कि

water sample Tubewell का 1 नमूना

इस कार्यालय में जल परीक्षण हेतु स्रोत

Arguta International

पेयजल नमूना उपलब्ध कराया गया है, जिसकी लोकेशन

School, Bichali madhwa Road Indore

Invoice

S.no	Parameter	Rate	No.of sample	Amount
1	Physico-chemical tests	1200	1	1200
2	Total coliform & Fecal Coliform Bacteria	350	1	350
Total Amount =				1550

उक्त राशि 1550/- रुपये एम.पी. ऑनलाइन (M.P.online) कियोस्क सेंटर के माध्यम से साईबर ट्रेसरी द्वारा, शासकीय चालान लोक स्वास्थ्य यांत्रिकी विभाग में जमा कराये चालान की रिसीप्ट प्राप्त कर इसकी छायाप्रति A.E.PHE Indore sub. division एवं प्रयोगशाला में देवे।

M. J. Dubey
सहायक यंत्री
लोक स्वास्थ्य यांत्रिकी विभाग
उपखण्ड इंदौर

प्रतिलिपी -

1. कार्यपालन यंत्री, लोक स्वास्थ्य यांत्रिकी विभाग खण्ड इंदौर की और सुचनार्थ प्रेषित।

[Signature]
Principal
Arguta International School

Sd/-
सहायक यंत्री
लोक स्वास्थ्य यांत्रिकी विभाग
उपखण्ड इंदौर