

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

#### (AN ISO 9001:2015 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR 9, BENTINCK STREET, KOLKATA - 700 00.1

Ph.: 2248-3661/2698/7803, 2262-4153/4154, Fax: 33 2248-0447 E-mail: rvbriggs.kolkata@gmail.com, Website: www.rvbriggs.com

CIN: U51109WB1931PTC007007



Page 1 of 2

#### TEST REPORT

ULR NO. TC781519000019249F

Date: November 02, 2019 No. W(D)/19-20/2251

: M/S, BIRLA HIGH SCHOOL Issued to

1. Moira Street, Kolkata - 700017

Order No. 40/BHS/19-20 Date 26.10.2019 Your Ref No.

: Drinking Water/Potable Water Sample Description

: Ground Floor Cooler Water near Conference Room Collection Source Parameters Tested:

(Senior Section), Time: 3.53pm Microbiological:

: 30.10.2019 Sample Drawn by us On

1) Coliform Organism (2) E.Coli : 31.10.2019 Test Completed on : IS: 1622: 1981 & IS: 3025 (Part - 1) 1987 Method of Sampling

SI No.	robiological Test Fine Test parameters	Test Method	Unit	Result	Norms as per IS: 10500, 2012 (2nd Rev.)
1	Coliform Organism	APHA 23rd Edn. 9222B	CFU/100ml	Absent	Absent in 100 ml
2	E. coli	APHA 23rd Edn. 9222H	CFU/100ml	Absent	Absent

Remarks on Microbiological Test Report:

The above mentioned sample of drinking water complies with IS: 10500, 2012 (2nd Rev.) & Satisfactory for drinking purpose, in respect of the above mentioned parameters.

: END OF TEST REPORT :

Dr. S. Koruri Authorized Signatory (I/C Microbiological Dept.)

<sup>\*</sup> The test report shall not be reproduced, except in full, without written approval of the Company.

<sup>\*</sup> Results relate only to the parameters tested.



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CIN: U51109WB1931PTC007007



#### **TEST REPORT**

ULR NO. TC78151900001924	9F
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No. W(D)/19-20/2251	Date: November 02, 201	Page 2 of 2
Issued to	: M/S, BIRLA HIGH SCHOOL  1, Moira Street, Kolkata - 700017	
Your Ref No.	: Order No. 40/BHS/19-20 Date 26.10.2	2019
Sample Description	: Drinking Water/Potable Water	Parameters Tested:
Collection Source	: Ground Floor Cooler Water near	Physical: Colour, Appearance & Odour
	Conference Room (Senior Section),	Chemical Parameters
	Time: 3.53pm	Turbidity, pH, Total Dissolved Solids.
Sample Drawn by us On	: 30.10.2019	Alkalinity, Silica, Iron, Calcium, Magnesium
Test Completed on	: 01.11.2019	Sulphate, Chloride, Nitrate, Total Hardness
Method of Sampling	: IS : 1622 : 1981 & IS : 3025 (Part - 1)	1987

Mode of Sampling **Physical Test Findings:** 

2. Appearance - Clear 1.Colour - Colourless

: Grab

3. Odour - Agreeable

	mical Test Findings :  Test parameters				Norms as per IS: 10500, 2012 (2nd Rev.)	
SI No.		Test Method		Result	Acceptable Limit	Permissible Limit
	en 1 * 1 * .	IS: 3025 (Part-10): 1984 Reaffirmed 2012	NTU	< 1	1.0 Max.	5.0 Max.
1	Turbidity	IS: 3025 (Part-11): 1983 Reaffirmed 2012		6.5	6.5 - 8.5	No Relaxation
_	pH value	IS: 3025 (Part-16): 1984 Reaffirmed 2012	mg/l	46	500 Max.	2000 Max.
3	Total Dissolved Solids	IS: 3025 (Part-10): 1764 Reaffirmed 2009	mg/l	28	200 Max.	600 Max.
	Alkalinity as CaCO <sub>3</sub>	IS: 3025 (Part-25): 1988 Reaffirmed 2009	mg/l	< 5		
5	Silica as SiO <sub>2</sub>	IS: 3025 (Part-53): 1988 Reaffirmed 2009	mg/l		0.30 Max.	No Relaxation
6	Iron as Fe	18: 3025 (Part-53): 2003 Realitimed 2009	mg/l		75 Max.	200 Max.
7	Calcium as Ca	IS: 3025 (Part-40) - 1991 Reaffirmed 2009	mg/1	< 1	30 Max.	100 Max.
8	Magnesium as Mg	IS: 3025 (Part-46): 1994 Reaffirmed 2009	mg/I	. <5	200 Max.	400 Max.
9	Sulphate as SO <sub>4</sub>	IS: 3025 (Part-24) - 1986 Reaffirmed 2009	mg/1	18	250 Max.	1000 Max.
10	Chloride as Cl	IS: 3025 (Part-32): 1988 Reaffirmed 2009	mg/1	< 1	45 Max.	No Relaxation
	Nitrate as NO <sub>3</sub>	IS: 3025 (Part-34): 1988 Reaffirmed 2009	mg/l		200 Max.	600 Max.
	Total Hardness as CaCO <sub>3</sub>	IS: 3025 (Part-21) - 2009	mg/l			000 1714.
	a) Temporary Hardness		mg/l			
	b) Permanent Hardness		mg/	Nil		

Remarks on Test Report:

The above mentioned sample of drinking water complies with IS: 10500, 2012 (2nd Rev.) & Satisfactory for drinking purpose, in respect of the above mentioned parameters

Remarks on Test Report in respect of Microbiological & Chemical Test: The Water sample is fit for Human Consumption, in respect of the above Microbiological & Chemical Parameters

: END OF TEST REPORT :

Quality Manager **Authorized Signatory** For R.V.BRIGGS & CO. PRIVATE LTD.

NCB

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CIN: U51109WB1931PTC007007



#### TEST REPORT

ULR NO. TC781519000019250F

No. W(D)/19-20/2252 Date: November 02, 2019

Page 1 of 2

Issued to : M/S, BIRLA HIGH SCHOOL

1, Moira Street, Kolkata - 700017

Your Ref No.

: Order No. 40/BHS/19-20 Date 26.10.2019

Sample Description Collection Source

: Drinking Water/Potable Water : 2nd Floor Cooler Water from Tap

(Senior Section), Time: 4.00pm

Parameters Tested:

Sample Drawn by us On

: 30.10.2019

Microbiological:

Test Completed on

31.10.2019

1) Coliform Organism (2) E.Coli

Method of Sampling

: IS: 1622: 1981 & IS: 3025 (Part - 1) 1987

Mode of Sampling Grab

SI No.	Test parameters	Test Method	Unit	Result	Norms as per IS: 10500, 2012 (2nd Rev.)
I	Coliform Organism	APHA 23rd Edn. 9222B	CFU/100ml	Absent	Absent in 100 ml
2	E. coli	APHA 23rd Edn. 9222H	CFU/100ml	Absent	Absent

#### Remarks on Microbiological Test Report:

The above mentioned sample of drinking water complies with IS: 10500, 2012 (2nd Rev.) & Satisfactory for drinking purpose, in respect of the above mentioned parameters.

: END OF TEST REPORT :

Dr. S. Koruri

Authorized Signatory (I/C Microbiological Dept.)

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CIN: U51109WB1931PTC007007



ULR NO. TC781519000019250F

TEST REPORT

No. W(D)/19-20/2252 Date: November 02, 2019 Issued to Page 2 of 2

: M/S, BIRLA HIGH SCHOOL 1, Moira Street, Kolkata - 700017

Your Ref No. : Order No. 40/BHS/19-20 Date 26.10.2019 Sample Description

Drinking Water/Potable Water Collection Source : 2nd Floor Cooler Water from Tap

(Senior Section). Time: 4.00pm

Sample Drawn by us On : 30.10.2019 Test Completed on : 01.11.2019

Sulphate, Chloride, Nitrate, Total Hardness Method of Sampling : IS: 1622: 1981 & IS: 3025 (Part - 1) 1987

Mode of Sampling : Grab

Physical Test Findings: 1.Colour - Colourless Chemical Test Findings :

2. Appearance - Clear

3. Odour - Agreeable

Parameters Tested:

Chemical Parameters

Physical: Colour, Appearance & Odour

Alkalinity, Silica, Iron, Calcium, Magnesium,

Turbidity, pH, Total Dissolved Solids,

SI	Test parameters Test Method Un	Test Method	Tinit.	Result	Norms as per IS: 10500, 2012 (2nd Rev.)	
No.		, , , , , , , , , , , , , , , , , , , ,	Result	Acceptable Limit	Permissible Limit	
1	Turbidity	IS: 3025 (Part-10): 1984 Reaffirmed 2012	NTU	< 1	1.0 Max.	5.0 Max.
2	pH value	IS: 3025 (Part-11): 1983 Reaffirmed 2012		7.8	6.5 - 8.5	No Relaxation
3	Total Dissolved Solids	IS: 3025 (Part-16): 1984 Reaffirmed 2012	mg/l	680	500 Max.	2000 Max.
4	Alkalinity as CaCO <sub>3</sub>	IS: 3025 (Part-23) - 1986 Reaffirmed 2009	mg/l	463	200 Max.	600 Max.
5	Silica as SiO <sub>2</sub>	IS: 3025 (Part-35): 1988 Reaffirmed 2009	mg/l	17.1		
6	Iron as Fe	IS: 3025 (Part-53): 2003 Reaffirmed 2009	mg/l	< 0.1	0.30 Max.	No Relaxation
7	Calcium as Ca	IS: 3025 (Part-40) - 1991 Reaffirmed 2009		87	75 Max.	200 Max.
8	Magnesium as Mg	IS: 3025 (Part-46): 1994 Reaffirmed 2009	mg/l	39	30 Max.	100 Max.
9	Sulphate as SO <sub>4</sub>	IS: 3025 (Part-24) - 1986 Reaffirmed 2009		11.0	200 Max.	400 Max.
0	Chloride as Cl	IS: 3025 (Part-32): 1988 Reaffirmed 2009	mg/l	176	250 Max.	1000 Max.
11	Nitrate as NO <sub>3</sub>	IS: 3025 (Part-34): 1988 Reaffirmed 2009	mg/l	2.90	45 Max.	No Relaxation
2	Total Hardness as CaCO3	IS: 3025 (Part-21) - 2009	mg/l	378	200 Max.	600 Max.
	a) Temporary Hardness		mg/l	378		
	b) Permanent Hardness		mg/l	Nil		

Minimum detection limit: (i) Iron: 0.1mg/l

#### Remarks on Test Report:

- i) The above mentioned sample of drinking water complies with IS: 10500, 2012 (2nd Rev.) & Satisfactory for drinking purpose, in respect of the above mentioned parameters
- (ii) Total Dissolved Solids, Alkalinity, Calcium, Magnesium & Total Hardness are beyond the acceptable limit but within the permissible limit

Remarks on Test Report in respect of Microbiological & Chemical Test: The Water sample is fit for Human Consumption, in respect of the above Microbiological & Chemical Parameters

: END OF TEST REPORT :

J. Mukherjee Quality Manager Authorized Signatory For R.V.BRIGGS & CO. PRIVATE LTD.

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CIN: U51109WB1931PTC007007



Page 1 of 2

#### **TEST REPORT**

ULR NO. TC781519000019251F

No. W(D)/19-20/2253 Date: November 02, 2019 Issued to

: M/S, BIRLA HIGH SCHOOL

1, Moira Street, Kolkata - 700017 : Order No. 40/BHS/19-20 Date 26.10,2019

Your Ref No. Sample Description : Drinking Water/Potable Water

Collection Source : 3rd Floor (Geo Block) Cooler Water Cooler Machine

(Senior Section), Time: 4.10pm Parameters Tested:

Sample Drawn by us On : 30.10.2019 Microbiological:

Test Completed on : 31.10.2019 1) Coliform Organism (2) E.Coli Method of Sampling : IS: 1622: 1981 & IS: 3025 (Part - 1) 1987

Mode of Sampling

Microbiological Test Findings:

SI No.	Test parameters	Test Method	Unit	Result	Norms as per IS: 10500, 2012 (2nd Rev.)
1	Coliform Organism	APHA 23rd Edn. 9222B	CFU/100ml	Absent	Absent in 100 ml
2	E. coli	APHA 23rd Edn. 9222H	CFU/100ml	Absent	Absent

Remarks on Microbiological Test Report:

The above mentioned sample of drinking water complies with IS: 10500, 2012 (2nd Rev.) & Satisfactory for drinking purpose, in respect of the above mentioned parameters.

: END OF TEST REPORT :

Dr. S. Koruri

Authorized Signatory (I/C Microbiological Dept.)

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CIN: U51109WB1931PTC007007

#### TEST REPORT

ULR NO. TC781519000019251F

Date: November 02, 2019 No. W(D)/19-20/2253 : M/S, BIRLA HIGH SCHOOL Issued to 1, Moira Street, Kolkata - 700017 : Order No. 40/BHS/19-20 Date 26.10.2019 Your Ref No. Parameters Tested: : Drinking Water/Potable Water Sample Description Physical: Colour, Appeara : 3rd Floor (Geo Block) Cooler Water Collection Source **Chemical Parameters** Cooler Machine (Senior Section), Turbidity, pH, Total Dissolve Time: 4.10pm

Alkalinity, Silica, Iron, Calcin : 30.10.2019 Sample Drawn by us On Sulphate, Chloride, Nitrate, : 01.11.2019 Test Completed on

: IS: 1622: 1981 & IS: 3025 (Part - 1) 1987 Method of Sampling

: Grab Mode of Sampling

Physical Test Findings:

2. Appearance - Clear 1.Colour - Colourless

3. Odour -

Chemical Test Findings:

idity alue Dissolved Solids linity as CaCO <sub>3</sub>	Test Method  IS: 3025 (Part-10): 1984 Reaffirmed 2012 IS: 3025 (Part-11): 1983 Reaffirmed 2012 IS: 3025 (Part-16): 1984 Reaffirmed 2012 IS: 3025 (Part-23) - 1986 Reaffirmed 2009	NTU	7.6	Acceptable Limit 1.0 Max. 6.5 - 8.5
alue Dissolved Solids	IS: 3025 (Part-11): 1983 Reaffirmed 2012 IS: 3025 (Part-16): 1984 Reaffirmed 2012		7.6	
alue Dissolved Solids	IS: 3025 (Part-11): 1983 Reaffirmed 2012 IS: 3025 (Part-16): 1984 Reaffirmed 2012		7.6	6.5 - 8.5
Dissolved Solids	IS: 3025 (Part-16): 1984 Reaffirmed 2012	mg/l		
	100 2005 (D + 22) 1006 Booffirmed 2000		670	500 Max.
	11S: 3025 (Part-23) - 1980 Reallimed 2009	mg/l	463	200 Max.
as SiO <sub>2</sub>	IS: 3025 (Part-35): 1988 Reaffirmed 2009	mg/l	. 16.0	
as Fe	IS: 3025 (Part-53): 2003 Reaffirmed 2009	mg/l	< 0.1	0.30 Max.
um as Ca	IS: 3025 (Part-40) - 1991 Reaffirmed 2009	mg/l	66	75 Max.
nesium as Mg	IS: 3025 (Part-46): 1994 Reaffirmed 2009	mg/l	45	30 Max.
nate as SO <sub>4</sub>	IS: 3025 (Part-24) - 1986 Reaffirmed 2009	mg/l	12.0	200 Max.
ide as Cl	IS: 3025 (Part-32): 1988 Reaffirmed 2009	mg/l	172	250 Max.
	IS: 3025 (Part-34): 1988 Reaffirmed 2009	mg/l	3.50	45 Max.
			349	200 Max.
		-	2.40	
The state of the s		-	2711	
t	e as NO <sub>3</sub> Hardness as CaCO <sub>3</sub> mporary Hardness	e as NO <sub>3</sub> IS: 3025 (Part-34): 1988 Reaffirmed 2009 Hardness as CaCO <sub>3</sub> IS: 3025 (Part-21) - 2009 mporary Hardness	e as NO <sub>3</sub> IS: 3025 (Part-34): 1988 Reaffirmed 2009 mg/l Hardness as CaCO <sub>3</sub> IS: 3025 (Part-21) - 2009 mg/l mporary Hardness — mg/l	e as NO <sub>3</sub> IS: 3025 (Part-34): 1988 Reaffirmed 2009 mg/l 3.50 Hardness as CaCO <sub>3</sub> IS: 3025 (Part-21) - 2009 mg/l 349 mporary Hardness — mg/l 349

Minimum detection limit: (i) Iron: 0.1mg/l

Remarks on Test Report:

i) The above mentioned sample of drinking water complies with IS: 10500, 2012 (2nd Rev.) & 5 for drinking purpose, in respect of the above mentioned parameters

(ii) Total Dissolved Solids, Alkalinity, Magnesium & Total Hardness are beyond the acceptable li within the permissible limit

Remarks on Test Report in respect of Microbiological & Chemical Test: The Water sample Human Consumption, in respect of the above Microbiological & Chemical Parameters

#### : END OF TEST REPORT :

Quality Ma Authorized S

For R.V.BRIGGS & C

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ANALYTICAL CONSULTING & TECHNICAL CHEMISTS

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E-mail: rvbriggs.kolkata@gmail.com, Website: www.rvbriggs.com

CIN: U51109WB1931PTC007007

#### TEST REPORT

ULR NO. TC781519000019246F

No. W(D)/19-20/2248 Date: November 02, 2019 Issued to

: M/S, BIRLA HIGH SCHOOL

Page 1 of 2

LABORATORY Certificate No. TC-7815

Your Ref No.

1, Moira Street, Kolkata - 700017

Sample Description

: Order No. 40/BHS/19-20 Date 26.10.2019 : Drinking Water/Potable Water

Collection Source

: 3rd Floor Science Block Cooler Water from Tap

(Senior Section), Time: 3.28pm

Parameters Tested:

Sample Drawn by us On : 30.10.2019

Microbiological:

Test Completed on

: 31.10.2019

1) Coliform Organism (2) E.Coli

Method of Sampling Mode of Sampling

: IS: 1622: 1981 & IS: 3025 (Part - 1) 1987 : Grab

Microbiological Test Findings

SI No.	Test parameters	Test Method	Unit	Result	Norms as per IS: 10500, 2012 (2nd Rev.)
1	Coliform Organism	APHA 23rd Edn. 9222B	CFU/100ml	Absent	Absent in 100 ml
2	E. coli	APHA 23rd Edn. 9222H	CFU/100ml	Absent	Absent

#### Remarks on Microbiological Test Report:

The above mentioned sample of drinking water complies with IS: 10500, 2012 (2nd Rev.) & Satisfactory for drinking purpose, in respect of the above mentioned parameters.

: END OF TEST REPORT :

Dr. S. Koruri Authorized Signatory (I/C Microbiological Dept.)

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CIN: U51109WB1931PTC007007



TEST REPORT ULR NO. TC781519000019246F

No. W(D)/19-20/2248 Date: November 02, 2019

Page 2 of 2

Issued to : M/S, BIRLA HIGH SCHOOL

1, Moira Street, Kolkata - 700017

Your Ref No. : Order No. 40/BHS/19-20 Date 26.10.2019

Sample Description : Drinking Water/Potable Water Parameters Tested: Collection Source

3rd Floor Science Block Cooler Water from Tap (Senior Section),

Time: 3.28pm

Sample Drawn by us On : 30.10.2019 Test Completed on : 01.11.2019

Sulphate, Chloride, Nitrate, Total Hardness Method of Sampling : IS: 1622: 1981 & IS: 3025 (Part - 1) 1987

Mode of Sampling

Physical Test Findings:

1.Colour - Colourless emical Test Findings:

2. Appearance - Clear

3. Odour - Agreeable

Physical: Colour, Appearance & Odour

Alkalinity, Silica, Iron, Calcium, Magnesium,

Turbidity, pH, Total Dissolved Solids.

**Chemical Parameters** 

SI	Test parameters Test Method U	Test never store		Result	Norms as per IS: 10500, 2012 (2nd Rev.)	
No.		Unit	Acceptable Limit		Permissible Limit	
1	Turbidity	IS: 3025 (Part-10): 1984 Reaffirmed 2012	NTU	< 1	1.0 Max.	5.0 Max.
2	pH value	IS: 3025 (Part-11): 1983 Reaffirmed 2012		7.5	6.5 - 8.5	No Relaxation
3	Total Dissolved Solids	IS: 3025 (Part-16): 1984 Reaffirmed 2012	mg/l	644	500 Max.	2000 Max.
4	Alkalinity as CaCO3	IS: 3025 (Part-23) - 1986 Reaffirmed 2009	mg/l	440	200 Max.	600 Max.
5	Silica as SiO <sub>2</sub>	IS: 3025 (Part-35): 1988 Reaffirmed 2009	mg/l	15.3	,	
6	Iron as Fe	IS: 3025 (Part-53): 2003 Reaffirmed 2009	mg/l	< 0.1	0.30 Max.	No Relaxation
7	Calcium as Ca	IS: 3025 (Part-40) - 1991 Reaffirmed 2009	mg/l	85	75 Max.	200 Max.
8	Magnesium as Mg	IS: 3025 (Part-46): 1994 Reaffirmed 2009	mg/l	50	30 Max.	100 Max.
_	Sulphate as SO <sub>4</sub>	IS: 3025 (Part-24) - 1986 Reaffirmed 2009	mg/l	8.1	200 Max.	400 Max.
	Chloride as Cl	IS: 3025 (Part-32): 1988 Reaffirmed 2009	mg/l	146	250 Max.	1000 Max.
	Nitrate as NO <sub>3</sub>	IS: 3025 (Part-34): 1988 Reaffirmed 2009	mg/l	2.70	45 Max.	No Relaxation
_	Total Hardness as CaCO <sub>3</sub>	IS: 3025 (Part-21) - 2009	mg/l	418	200 Max.	600 Max.
-	a) Temporary Hardness		mg/l	418		
	b) Permanent Hardness		mg/l	Nil		

Minimum detection limit: (i) Iron: 0.1mg/l

Remarks on Test Report:

i) The above mentioned sample of drinking water complies with IS: 10500, 2012 (2nd Rev.) & Satisfactory for drinking purpose, in respect of the above mentioned parameters

(ii) Total Dissolved Solids, Alkalinity, Calcium, Magnesium & Total Hardness are beyond the acceptable limit but within the permissible limit

Remarks on Test Report in respect of Microbiological & Chemical Test: The Water sample is fit for Human Consumption, in respect of the above Microbiological & Chemical Parameters

: END OF TEST REPORT :

J. Mukherjee

Quality Manager **Authorized Signatory** 

For R.V.BRIGGS & CO. PRIVATE LTD.

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CIN: U51109WB1931PTC007007



Page 1 of 2

#### **TEST REPORT**

ULR NO. TC781519000019252F

No. W(D)/19-20/2254 Date: November 02, 2019

: M/S, BIRLA HIGH SCHOOL

1, Moira Street, Kolkata - 700017

: Order No. 40/BHS/19-20 Date 26.10.2019

Your Ref No. Sample Description

: Drinking Water/Potable Water

Collection Source

Issued to

: 4th Floor (Commerce Block) Cooler Water

(Senior Section), Time: 4.18pm

Parameters Tested:

Sample Drawn by us On

: 30.10.2019

Microbiological:

Test Completed on

: 31.10.2019

1) Coliform Organism (2) E.Coli

Method of Sampling

: IS: 1622: 1981 & IS: 3025 (Part - 1) 1987

Mode of Sampling : Grab

SI No.	Test parameters	Test Method	Unit	Result	Norms as per IS: 10500, 2012 (2nd Rev.)
1	Coliform Organism	APHA 23rd Edn. 9222B	CFU/100ml	Absent	Absent in 100 ml
2	E. coli	APHA 23rd Edn. 9222H	CFU/100ml	Absent	Absent

Remarks on Microbiological Test Report:

The above mentioned sample of drinking water complies with IS: 10500, 2012 (2nd Rev.) & Satisfactory for drinking purpose, in respect of the above mentioned parameters.

: END OF TEST REPORT :

Authorized Signatory . (I/C Microbiological Dept.)



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CIN: U51109WB1931PTC007007



#### TEST REPORT

ULR NO. TC781519000019: No. W(D)/19-20/2254	Date: November 02, 201	9 Page 2 of 2
Issued to	: M/S, BIRLA HIGH SCHOOL 1, Moira Street, Kolkata - 700017	2010
Your Ref No. Sample Description Collection Source	<ul> <li>Order No. 40/BHS/19-20 Date 26.10.2</li> <li>Drinking Water/Potable Water</li> <li>4th Floor (Commerce Block) Gooler Water (Senior Section),</li> </ul>	Parameters Tested: Physical : Colour, Appearance & Odour Chemical Parameters
Sample Drawn by us On Test Completed on	Time: 4.18pm : 30.10.2019 : 01.11.2019	Turbidity, pH, Total Dissolved Solids, Alkalinity, Silica, Iron, Calcium,Magnesium Sulphate, Chloride, Nitrate, Total Hardness

: IS: 1622: 1981 & IS: 3025 (Part - 1) 1987 Method of Sampling

Mode of Sampling Grab

Physical Test Findings: 1 Colour - Colourless

2. Appearance - Clear

3. Odour - Agreeable

SI No.	mical Test Findings :  Test parameters	Test Method	Unit	Result	Norms as per IS: 10500, 2012 (2nd Rev.)	
					Acceptable Limit	Permissible Limit
		IS: 3025 (Part-10): 1984 Reaffirmed 2012	NTU	<1	1.0 Max.	5.0 Max.
1	Turbidity	IS: 3025 (Part-10): 1983 Reaffirmed 2012		7.5	6.5 - 8.5	No Relaxation
2	pH value	IS: 3025 (Part-11): 1983 Reaffirmed 2012	me/l	674	500 Max.	2000 Max.
3	Total Dissolved Solids	IS: 3025 (Part-10): 1984 Realthmed 2012	ma/l	447	200 Max.	600 Max.
4	Alkalinity as CaCO3	IS: 3025 (Part-23) - 1986 Reaffirmed 2009	mg/l			***
5	Silica as SiO <sub>2</sub>	IS: 3025 (Part-35): 1988 Reaffirmed 2009	mg/1		0.30 Max.	No Relaxation
6	Iron as Fe	IS: 3025 (Part-53): 2003 Reaffirmed 2009	mg/I		75 Max.	200 Max.
7	Calcium as Ca	IS: 3025 (Part-40) - 1991 Reaffirmed 2009	mg/l	39	30 Max.	100 Max.
8	Magnesium as Mg	IS: 3025 (Part-46): 1994 Reaffirmed 2009	mg/l	_	200 Max.	400 Max.
9	Sulphate as SO <sub>4</sub>	IS: 3025 (Part-24) - 1986 Reaffirmed 2009	mg/1	-	250 Max.	1000 Max.
10		IS: 3025 (Part-32): 1988 Reaffirmed 2009	mg/l	-	45 Max.	No Relaxation
	Nitrate as NO <sub>3</sub>	IS: 3025 (Part-34): 1988 Reaffirmed 2009	mg/		200 Max.	600 Max.
	0.00	IS: 3025 (Part-21) - 2009	mg/	225	200 Max.	000 111011
140	a) Temporary Hardness		mg/	3.771	_	
_	b) Permanent Hardness	•••	mg/	Nil		

Minimum detection limit: (i) Iron: 0.1mg/l

#### Remarks on Test Report:

i) The above mentioned sample of drinking water complies with IS: 10500, 2012 (2nd Rev.) & Satisfactory for drinking purpose, in respect of the above mentioned parameters

(ii) Total Dissolved Solids, Alkalinity, Calcium, Magnesium & Total Hardness are beyond the acceptable limit but within the permissible limit

Remarks on Test Report in respect of Microbiological & Chemical Test: The Water sample is fit for Human Consumption, in respect of the above Microbiological & Chemical Parameters

: END OF TEST REPORT :

J. Mukherjee Quality Manager Authorized Signatory For R.V.BRIGGS & CO. PRIVATE LTD.

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