

**ANNEXURE-C**

APPENDIX -XIII

**SAFE DRINKING WATER AND SANITARY CONDITION CERTIFICATE**


No. 1168/AD

Date: 02.03.2026

It is certified that an inspection team headed by **Subhash Chandra Shah**, Assistant Engineer, H.Q.-II from **Alipore Division under Public Health Engineering Directorate** inspected the **Birla High School - Mukundapur, 457 Barakhola Mukundapur, Purba Jadavpur, Kolkata-700099** on **20.02.2026** and on basis of water test report (attached) bearing no. NIL dated **25.02.2026** of **South 24 Parganas, District water testing laboratory, Under Alipore Division, PHE. Dte.** certify that **Birla High School - Mukundapur**, has safe drinking water facilities for the students, members and staff of the institution. School is also maintaining the hygienic sanitation condition in the school building & the campus as per the norms prescribed by the Central/State/U.TGovt.

The Certificate is valid till **01.03.2028**

Signature with Seal :

  
Assistant Engineer (HQ-II)  
Alipore Division  
P.H. Engg. Dte.  
Govt. of West Bengal

Name

SUBHASH CHANDRA SHAH

Designation

ASSISTANT ENGINEER

To  
The Principal  
Birla High School - Mukundapur  
457 Barakhola Mukundapur, Purba Jadavpur  
Kolkata-700099.

  
Principal  
BIRLA HIGH SCHOOL - MUKUNDAPUR  
457, Barakhola, Mukundapur, Purba Jadavpur  
Kolkata-700 099

BIRLA HIGH SCHOOL - MUKUNDAPUR

  
Secretary General



Government of West Bengal  
Public Health Engineering Directorate  
Office of the Executive Engineer, Alipore Division  
45, Ganesh Chandra Avenue, (5<sup>th</sup> Floor), Kolkata - 700013

Memo No. 1168 /AD

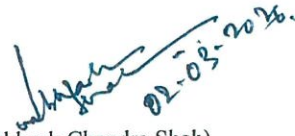
Date 02-03-2026

**TO WHOM IT MAY CONCERN**

**SAFE DRINKING WATER AND SANITARY CONDITION CERTIFICATE**

Certified that I Sri Subhash Chandra Shah, Assistant Engineer, HQ-II Alipore Division, Public Health Engineering Directorate, inspected the **Birla High School, Mukundapur, 457 Barakhola Mukundapur, Purba Jadavpur, Kolkata-700099** on **20.02.2026** and found that **Birla High School - Mukundapur** maintaining the hygienic sanitation in their Toilet Blocks and Washrooms with proper regular day to day cleaning with trained house-keeping staffs and also condition in the school building & the campus as per the norms prescribed by the Central/State/U.T. Govt. Water samples were collected from both underground reservoir as well as drinking water taps which were tested in our State sponsored NABL accredited, District Water Testing laboratory and found the drinking water to be safe and potable as per WHO/ CPHEEO standard.

The above certificate is valid for a period of 2 (two) years from date of issue of this certificate subjected to regular testing of drinking water sample every six months from any recognized laboratory or our laboratory and engagement of housekeeping staff & pest control on regular basis as applicable.

  
(Subhash Chandra Shah)  
Assistant Engineer, HQ-II  
Alipore Division,  
PHE Dte.

  
Principal  
BIRLA HIGH SCHOOL - MUKUNDAPUR  
457, Barakhola, Mukundapur, Purba Jadavpur  
Kolkata-700 099

BIRLA HIGH SCHOOL - MUKUNDAPUR

  
Secretary General

**SOUTH 24 PARGANAS DISTRICT WATER TESTING LABORATORY**  
(UNDER ALIPORE DIVISION PHE DTE.)  
GOVERNMENT OF WEST BENGAL  
BIJOYGARH STATE GENERAL HOSPITAL COMPLEX  
KOLKATA-700032

**TEST REPORT**

Ref Memo No.: NIL dt. 23.02.2026  
GRN: 192025260483442282 dt. 19.02.2026

Date of Reporting:- 25.02.2026

Location Details:- **Birla High School Mukundapur,**  
**457, Barakhola Road Mukundapur, West Bengal, 700099**

Date of Sampling:- 25.02.2026

Sample Received on:- 23.02.2026

Sample Collected by:- **School Representative**  
Sample ID No.:- 1/RW

Type of Sample:- Drinking Water

Analysis:- Date of Starting:- 23.02.2026


Date of Completion:- 25.02.2026

**-: Physical, Chemical & Bacteriological Test Findings:-**

Sl. No.	Parameter	Desirable Limit*	Permissible Limit in absence of alternate Source*	Raw Water	Drinking Water, Ground Floor
1.	pH	6.5-8.5	No Relaxation	7.42	7.18
2.	Turbidity, NTU	i	5	2.12	0.27
3.	Total Hardness(as CaCO <sub>3</sub> ),mg/L	200	600	582.32	30.12
4.	Chloride (as Cl <sup>-</sup> ),mg/L	250	1000	271.01	29.56
5.	Iron(as Fe)mg/L	1.0	No Relaxation	0.36	0.33
6.	Arsenic(as As)mg/L	0.01	No Relaxation	BDL	BDL
7.	Manganese(as Mn),mg/L	0.10	0.30	BDL	BDL
8.	Total Dissolved Solids (mg/L)	500	2000	1160	87
9.	Total Coliform(CFU/100ml)	Absent	Absent	Not Found	Not Found
10.	Fecal Coliform(CFU/100ml)	Absent	Absent	Not Found	Not Found

\* Drinking Water – Bureau of Indian Standards (BIS) IS: 10500:2012, Drinking Water Specification. 2012.  
Note: BDL= Below Detection Limit.

  
Bacteriologist  
District Laboratory

  
Chemist  
District Laboratory

  
Junior Engineer (RWS)  
PHEDte./AD

  
Assistant Engineer (RWS)  
PHEDte./AD

  
Principal  
BIRLA HIGH SCHOOL - MUKUNDAPUR  
457, Barakhola, Mukundapur, Purba Jadavpur  
Kolkata-700 099

BIRLA HIGH SCHOOL - MUKUNDAPUR  
  
Secretary General

**SOUTH 24 PARGANAS DISTRICT WATER TESTING LABORATORY**  
(UNDER ALIPORE DIVISION PHE DTE.)  
GOVERNMENT OF WEST BENGAL  
BHOYGARH STATE GENERAL HOSPITAL COMPLEX  
KOLKATA-700032

**TEST REPORT**

Ref Memo No: NIL dt.18.02.2026

Date of Reporting:- 25.02.2026

Sample Sending Authority/Person: - Alipore Division

Location:- G.P.- Gokarnee, Vill:- Benipur, Hab:- Pal Para  
N/h of Kartik Pal, Basudeb Pal, Subash Pal, Imran Ali

Block- Magrahat-II

Date of Sampling:- 23.02.2026

Sample Received on:- 23.02.2026

Sample Collected by: Laboratory Assistant/Kakdwip SDL  
Sample ID No.:- 1/RW

Type of Sample- Tube Well Water

Analysis - Date of Starting:- 23.02.2026


Date of Completion:- 25.02.2026

**-: Physical, Chemical & Bacteriological Test Findings:-**

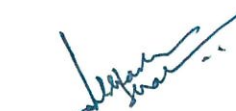
Sl.No.	Parameter	Desirable Limit*	Permissible Limit in absence of alternate Source*	Result
1.	pH	6.5-8.5	No Relaxation	7.86
2.	Turbidity (NTU)	1	5	3.89
3.	Total Hardness(as CaCO <sub>3</sub> ),mg/L	200	600	351.40
4.	Chloride (as Cl <sup>-</sup> ),mg/L	250	1000	157.68
5.	Iron(as Fe)mg/L	1.0	No Relaxation	0.24
6.	Arsenic(as As)mg/L	0.01	No Relaxation	BDL
7.	Manganese(as Mn), mg/L	0.10	0.30	BDL
8.	Total Dissolved Solids (mg/L)	500	2000	712
9.	Total Coliform(CFU/100ml)	Absent	Absent	Not Found
10.	Fecal Coliform(CFU/100ml)	Absent	Absent	Not Found

\* Drinking Water – Bureau of Indian Standards (BIS) IS: 10500:2012, Drinking Water Specification. 2012(Amendment No.1, June 2015).  
Note: BDL= Below Detection Limit.

  
Bacteriologist  
District Laboratory

  
Chemist  
District Laboratory

  
Junior Engineer (RWS)  
PHEDte./AD

  
Assistant Engineer (RWS)  
PHEDte./AD

  
Principal  
BIRLA HIGH SCHOOL - MUKUNDAPUR  
457, Barakhola, Mukundapur, Purba Jadavpur  
Kolkata-700 099

BIRLA HIGH SCHOOL - MUKUNDAPUR  
  
Secretary General

**Annexure C**  
**Appendix-XIII**

**SAFE DRINKING WATER AND SANITARY CONDITION CERTIFICATE**


Memo No. 571/AD

Date: 29/01/2024

It is certified that an inspection team headed by **Shri Subhash Chandra Shah, Assistant Engineer**, (Name of Officers with designation) from **Public Health Engineering Dte. Alipore Division**, (Name of Department/Office) inspected the **Birla High School – Mukundapur, 457, Barakhola, Mukundapur, Purba Jadavpur, Kolkata 700099** on **19.01.2024** checked the water test report submitted by the school has potable drinking water for the students and staff of the institution and is having running water in the toilets and maintaining hygienic sanitation condition in the school building and the campus as per norms prescribed by the Central /State/U.T. Govt.

The above valid for a period of **2 (Two ) years** from dated, 29.01.2024

Signature with Seal :

  
Assistant Engineer (HQ-II)  
Alipore Division  
P.H. Engg. Dte.  
Govt. of West Bengal

Name

SUBHASH CHANDRA SHAH

Designation

ASSISTANT ENGINEER

To  
The Principal  
Birla High School - Mukundapur,  
457, Barakhola, Mukundapur,  
Purba Jadavpur,  
Kolkata 700099



Principal  
BIRLA HIGH SCHOOL - MUKUNDAPUR  
457, Barakhola, Mukundapur, Purba Jadavpur  
Kolkata - 700 099

BIRLA HIGH SCHOOL - MUKUNDAPUR

  
Secretary General



Government of West Bengal  
Public Health Engineering Directorate  
Office of the Executive Engineer, Alipore Division  
33&33/1 Chetla Central Road, CIT Market, Kolkata 700027.

Memo No. 571 /AD


Date 29/01/2024

**TO WHOM IT MAY CONCERN**

**SAFE DRINKING WATER AND SANITARY CONDITION CERTIFICATE**

Certified that I Sri Subhash Chandra Shah, Assistant Engineer, HQ-II Alipore Division, Public Health Engineering Dte inspected the **Birla High School - Mukundapur** at **457, Barakhola, Mukundapur, Purba Jadavpur, Kolkata 700099** for maintaining the hygienic sanitation in their Toilet Blocks and Washrooms with proper regular day to day cleaning by trained house-keeping staffs and also condition in the school building & the campus found as per the norms prescribed by the Central/State/U.TGovt. Water samples were collected from both underground reservoir as well as drinking water taps which were tested in our State sponsored NABL accredited, State Water Testing laboratory and found the drinking water to be safe and potable as per WHO/ CPHEEO standard.

The above certificate is valid for a period of **2 (two) years** from date of issue of this certificate subjected to regular testing of drinking water sample every six months from any recognized laboratory or our laboratory and engagement of housekeeping staff & pest control on regular basis as applicable.

  
(Subhash Chandra Shah)  
Assistant Engineer, HQ-II  
Alipore Division,  
PHE Dte.



Principal  
BIRLA HIGH SCHOOL - MUKUNDAPUR  
457, Barakhola, Mukundapur, Purba Jadavpur  
Kolkata - 700 099

BIRLA HIGH SCHOOL - MUKUNDAPUR

  
Secretary General

**DAKSHIN RAIPUR WATER TREATMENT PLANT LABORATORY**  
 South 24 Parganas Water Supply Sub Division – I,  
 Public Health Engineering Dte.  
 Govt. of West Bengal  
 Email ID: drwtpplabs24@gmail.com



TC - 12269

**TEST REPORT**

Issued To: **Birla High School - Mukundapur, 457 Barakhola Mukundapur Purba Jadavpur Kolkata - 700099**

Memo ref : 414/AD  
 Report No: DRWTP/PHE/DW-24/3 - DW-24/4/2024  
 ULR No.: TC12269024000003F

Dated: 22.01.2024  
 Issue Date: 29.01.2024  
 Page No: 1 of 1

**Sample Particulars**

Sample Description : S1 - Raw Water S2 - Treated Water  
 Sample Code : S1 & S2  
 Date of Receive of Sample : 22-01-2024  
 Date of Starting of Analysis : 22-01-2024  
 Limit of Tested Results : As Per IS 10500 : 2012 Specification  
 Sample Collected by : Customer

Type of Sample : Water  
 Date of completion of Analysis : 27.01.2024  
 Sample tested as received

Sl. No.	Test Parameters	Unit	Test Methods	Results		Requirement (Acceptable Limit)	Permissible Limit in the absence of alternate Source
				S1	S2		
1	Colour	Hazen Unit	IS 3025 (Part - 4) : 2021	5	<5	5	15
2	Odour	--	IS 3025 (Part 5): 2018	Agreeable	Agreeable	Agreeable	Agreeable
3	pH	--	IS 3025 (Part 11): Electrometric method: 2022	7.21	6.94	6.5-8.5	No Relaxation
4	Turbidity	NTU	IS 3025 (Part 10): Nephelometric Turbidity Meter: 2023	21.30	2.01	1	5
5	Total dissolved solids	mg/L	IS 3025 (Part 16): : 2023	1634.00	59.00	500	2000
6	Fluoride (as F)	mg/L	4500-F C Ion selective Electrode Method APHA 24th Edition: 2023	0.21	<0.1	1.0	1.5
7	Chloride (as Cl)	mg/L	IS 3025 (Part 32): 1988 Argentometric Method: 2019	596.16	16.68	250	1000
8	Total Alkalinity (as CaCO <sub>3</sub> )	mg/L	IS 3025 (Part 23): Indicator Method Reaffirmed: 2023	331.20	27.60	200	600
9	Total Hardness as CaCO <sub>3</sub>	mg/L	IS 3025 (Part 21): 2009 EDTA Titrimetric Method : 2019	779.59	16.33	200	600
10	Manganese (as Mn)	mg/L	3120B APHA, 24th Edition ICP Method: 2023	0.15	<0.05	0.1	0.3
11	Iron (as Fe)	mg/L	3120B APHA, 24th Edition ICP Method:: 2023	1.03	<0.05	1	No Relaxation
12	Residual Free Chlorine	mg/L	IS 3025 (Part 26): Iodometric Method: 2021	<0.2	<0.2	0.2	1
13	Copper (as Cu)	mg/L	3120 B APHA, 24th Edition ICP Method::: 2023	<0.01	<0.01	0.05	1.5
14	Lead (as Pb)	mg/L	3120 B APHA, 24th Edition ICP Method::: 2023	<0.01	<0.01	0.01	No Relaxation
15	Zinc (as Zn)	mg/L	3120 B APHA, 24th Edition ICP Method::: 2023	<0.05	<0.05	5	15
16	Nickel (as Ni)	mg/L	3120 B APHA, 24th Edition ICP Method::: 2023	<0.01	<0.01	0.02	No Relaxation
17	Total Chromium (as Cr)	mg/L	3120 B APHA, 24th Edition ICP Method::: 2023	<0.01	<0.01	0.05	No Relaxation
18	Calcium (as Ca)	mg/L	APHA, 24th Edition - 3500-Ca B EDTA Titrimetric Method 2023	189.69	<2.0	75	200
19	Magnesium (as Mg)	mg/L	APHA, 24th Edition - 3500-Mg B Calculation Method : 2023	74.20	3.47	30	100
20	Arsenic (as As)	mg/L	3114 C APHA, 24th Edition Continuous Hydride Generation/Atomic Absorption Spectrometric Method 2023	<0.007	<0.007	0.01	No Relaxation

**Note :**

The Results Relate only to the item(s) Tested.

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Office Address : Dakshin Raipur Water Treatment Plant Laboratory Water Supply Sub Division-I, PO – Dakshin Raipur, PS – Nodakhali Dist : South 24 Paraganas State: West Bengal India. PIN – 743318

-: End :-

*[Signature]*  
 CHECKED BY

Chemist

*[Signature]*  
 Principal

**BIRLA HIGH SCHOOL - MUKUNDAPUR**  
 457 Barakhola Mukundapur Purba Jadavpur

**BIRLA HIGH SCHOOL - MUKUNDAPUR**

*[Signature]*  
 Secretary General

*[Signature]*

Authorised Signatory

*[Signature]*  
 Technical Manager  
 Dakshin Raipur Water Treatment Plant  
 Lab No: 7

**DAKSHIN RAIPUR WATER TREATMENT PLANT LABORATORY**  
South 24 Parganas Water Supply Sub Division - I,  
Public Health Engineering Dte.  
Govt. of West Bengal  
Email ID: drwtplabs24@gmail.com

**TEST REPORT**

Issued To: Birla High School - Mukundapur, 457 Barakhola Mukundapur Purba Jadavpur Kolkata - 700099  
Memo ref: 414/AD  
Report No: DRWTP/PHE/DW-24/3 - DW-24/4/2024

Dated: 22.01.2024  
Issue Date: 29.01.2024  
Page No: 1 of 1

**Sample Particulars**

**Sample Description** : S1 - Raw Water S2 - Treated Water  
**Sample Code** : S1 & S2  
**Date of Receive of Sample** : 22-01-2024  
**Date of Starting of Analysis** : 22-01-2024  
**Limit of Tested Results** : As Per IS 10500 : 2012 Specification  
**Sample Collected by** : N/A

**Type of Sample** : Water  
**Date of Completion**: 27 01 2024

Sl. No.	Test Parameters	Unit	Test Methods	Results		*IS 10500 : 2012 (Limit)
				S1	S2	
1	Total Coliform Bacteria	CFU/100ml	Membrane Filtration Technique Method IS 15185 : 2016 ISO 9308 - 1 : 2014	11 CFU	Not Detected	Shall Not be Detectable in any 100ml Sample
2	Faecal Coliform	CFU/100ml	Membrane Filtration Technique Method IS 15185 : 2016 ISO 9308 - 1 : 2014	Not Detected	Not Detected	Shall Not be Detectable in any 100ml Sample

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The Results Relate only to the item(S) Tested.


Sample not drawn by us.

Office Address : Dakshin Raipur Water Treatment Plant Laboratory Water Supply Sub Division-I, PO - Dakshin Raipur, PS - Nadakhali Dist : South 24 Paraganas State: West Bengal India.  
PIN - 743318

-: End :-

  
Bacteriologist  
State Ref. Laboratory

  
Junior Engineer  
Sub Division-I  
under South 24 pgs. W/S Divn.-I  
P.H.E. Dte

  
Assistant Engineer  
Sub Division-I  
under South 24 pgs. W/S Divn.-I  
P.H.E. Dte

  
Principal  
BIRLA HIGH SCHOOL - MUKUNDAPUR  
457, Barakhola, Mukundapur, Purba Jadavpur  
Kolkata - 700 099

BIRLA HIGH SCHOOL - MUKUNDAPUR  
  
Secretary General

# DAKSHIN RAIPUR WATER TREATMENT PLANT LABORATORY

South 24 Parganas Water Supply Sub Division – I,

Public Health Engineering Dte.

Govt. of West Bengal

Email ID: drwtp labs24@gmail.com

## TEST REPORT

Issued To: **Birla High School - Mukundapur, 457 Barakhola Mukundapur Purba Jadavpur Kolkata - 700099**

Memo ref : 414/AD

Report No: DRWTP/PHE/DW-24/3 - DW-24/4/2024

ULR No.: TC122690240000003F

Dated: 22.01.2024

Issue Date: 29.01.2024

Page No: 1 of 1

### Sample Particulars

Sample Description : S1 - Raw Water S2 - Treated Water

Sample Code : S1 & S2

Date of Receive of Sample : 22-01-2024

Date. of Starting of Analysis : 22-01-2024

Limit of Tested Results : As Per IS 10500 : 2012 Specification

Sample Collected by : Customer

Type of Sample : Water

Date of completion of Analysis : 27.01.2024

Sample tested as received

Sl. No.	Test Parameters	Unit	Test Methods	Results		Requirement (Acceptable Limit)	Permissible Limit in the absence of alternate Source
				S1	S2		
1	Barium (as Ba)	mg/L	3120B APHA, 24th Edition ICP Method: 2023	0.29	<0.05	0.7	No relaxation
2	Boron (as B)	mg/L	3120B APHA, 24th Edition ICP Method: 2023	0.09	0.05	0.5	1
3	Silver (as Ag)	mg/L	3120B APHA, 24th Edition ICP Method: 2023	<0.05	<0.05	0.1	No Relaxation
4	Cadmium (as Cd)	mg/L	3120B APHA, 24th Edition ICP Method: 2023	<0.003	<0.003	0.003	No Relaxation
5	Potassium (as K)	mg/L	3120B APHA, 24th Edition ICP Method: 2023	7.76	<0.1	--	--
6	Sulphate (as SO <sub>4</sub> )	mg/L	4500-SO <sub>4</sub> <sup>2-</sup> E APHA, Turbidimetric Method 24th Edition : 2023	44.80	1.75	200	400
7	Nitrate (as NO <sub>3</sub> )	mg/L	4500-NO <sub>3</sub> <sup>-</sup> B APHA, Ultra Violet Spectrophotometric Screening Method 24th Edition : 2023	0.62	0.38	45	No Relaxation

### Note :

The Results Relate only to the item(S) Tested.

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Sample not drawn by us.

Office Address : Dakshin Raipur Water Treatment Plant Laboratory Water Supply Sub Division-I, PO - Dakshin Roypur, PS - Nodakhali Dist : South 24 Paraganas State: West Bengal India. PIN - 743318.

  
Senior Chemist/Chemist  
DRWTP LAB

  
Junior Engineer  
Sub Division-I  
under South 24 pgs. W/S Divn.-I  
P.H.E. Dte

-: End :-

  
Assistant Engineer  
Sub Division-I  
under South 24 pgs. W/S Divn.-I  
P.H.E. Dte

  
Principal  
BIRLA HIGH SCHOOL - MUKUNDAPUR  
457, Barakhola, Mukundapur, Purba Jadavpur  
Kolkata - 700 099

BIRLA HIGH SCHOOL - MUKUNDAPUR

  
Secretary General



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

**ANALYTICAL CONSULTING & TECHNICAL CHEMISTS**

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR

9, BENTINCK STREET, KOLKATA - 700 001

Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447

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

CIN : U51109WB1931PTC007007

## TEST REPORT

<b>No. W(D)/23-24/2216</b>		<b>Date : October 18, 2023</b>		<b>Page 1 of 3</b>	
<b>Issued to</b>		<b>: M/S, BIRLA HIGH SCHOOL</b> Mukundapur, 457, Barakhola, Purba Jadavpur, Kolkata - 700099			
<b>Your Ref No.</b>		<b>: Barakhola/514 dtd. 23.02.2023</b>		<b>Environmental conditions during sampling</b>	
<b>Sample Description</b>		<b>: Drinking Water</b>		Temperature: 24°C,	
<b>Collection Source</b>		<b>: Ground Floor Drinking Water Tap</b>		Transport by : Through Ice Box	
<b>Sample Drawn by us on</b>		<b>: 06.10.2023 at 01:50pm</b>		Transport condition : Cold chain maintained	
<b>Sample carried out by</b>		<b>: Jayanta Pramanik</b>		<b>Parameters Tested: Microbiological</b> 1) Coliform Organism (2) E.Coli	
<b>Sampling Plan :</b>		<b>: RVB/FM/46</b>			
<b>Method of Sampling</b>		<b>: ISO : 19458 : 2006</b>			
<b>Analysis Completed on</b>		<b>: 08.10.2023</b>			
<b>Microbiological Test Findings :</b>					
Sl No.	Test parameters	Test Method	Unit	Results	Norms as per IS : 10500, 2012 (2nd Rev.), Amend., June 2015
1	Coliform Organism	APHA 24th Edn. 9222B	CFU/100ml	Absent	Absent
2	E. coli	APHA 24th Edn. 9222H	CFU/100ml	Absent	Absent

### 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.

**-: END OF TEST REPORT :-**

  
Verified by

  
Pijush Kanti Dutta  
Sr. Microbiologist  
Authorized Signatory



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

**ANALYTICAL CONSULTING & TECHNICAL CHEMISTS**

(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR

9, BENTINCK STREET, KOLKATA - 700 001

Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447

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

CIN : U51109WB1931PTC007007

## TEST REPORT

No. W(D)/23-24/2216 Date : October 18, 2023 Page 2 of 3

Issued to	: M/S, BIRLA HIGH SCHOOL Mukundapur, 457, Barakhola, Purba Jadavpur, Kolkata - 700099	
Your Ref No.	: Barakhola/514 dtd. 23.02.2023	<b>Environmental conditions during sampling</b> Temperature: 24°C, Transport by : Through Ice Box Transport condition : Cold chain maintained <b>Parameters Tested: Physical &amp; Chemical</b> 1. Organoleptic and Physical - 6 Parameters 2. General Parameters - 22 Parameters 3. Toxic Substances - 8 Parameters
Sample Description	: Drinking Water	
Collection Source	: Ground Floor Drinking Water Tap	
Sample Drawn by us on	: 06.10.2023 at 01:50pm	
Sample carried out by	: Jayanta Pramanik	
Sampling Plan :	: RVB/FM/46	
Method of Sampling	: IS : 17614 (Part-1) : 2021	
Analysis Completed on	: 16.10.2023	

### Physical & Chemical Test Findings :

Sl No.	Test parameters	Test Method	Unit	Results	Norms as per IS : 10500, 2012 (2nd Rev.), Amend., June 2015	
					Acceptable Limit	Permissible Limit
<b>A. Organoleptic and Physical Parameters</b>						
1	Colour	IS: 3025-(part-4): 1983	Hazen	1	5 Max.	15 Max.
2	Odour	IS:3025(Part-5):1983	....	Agreeable	Agreeable	Agreeable
3	Taste	IS:3025(Part-8):1984	---	Agreeable	Agreeable	Agreeable
4	pH value	IS: 3025 (Part-11): 1983	....	6.5	6.5 - 8.5	No Relaxation
5	Turbidity	IS: 3025 (Part-10): 1984	NTU	<1	1 Max.	5 Max.
6	Total Dissolved Solids	IS: 3025 (Part-16): 1984	mg/l	108	500 Max.	2000 Max.
<b>B. General Parameters Concerning Substances Undesirable in Excessive Amounts</b>						
1	Aluminium as Al	IS: 3025 (Part-55)	mg/l	<0.03	0.03 Max.	0.2 Max.
2	Ammonia (NH <sub>3</sub> -N)	IS: 3025(Part-34)	mg/l	<0.2	0.5 Max.	No Relaxation
3	Anionic detergents(as MBAS)	Annex K of IS: 13428	mg/l	<0.05	0.2 Max.	1 Max
4	Barium as Ba	APHA 23rd Edn. 3111D	mg/l	<0.5	0.7 Max.	No Relaxation
5	Boron as B	IS: 3025 (Part-57): 2005	mg/l	<0.2	0.5 Max.	2.4 Max.
6	Calcium as Ca	IS: 3025 (Part-40): 1991	mg/l	1.60	75 Max.	200 Max.
7	Chloride as Cl	IS: 3025 (Part-32): 1988	mg/l	27.00	250 Max.	1000 Max.
8	Copper as Cu	IS: 3025 (Part-42): 1992	mg/l	<0.05	0.05 Max.	1.5 Max.
9	Fluoride as F	IS: 3025 (Part-60): 2008	mg/l	<0.1	1 Max.	1.5 Max.
10	Residual free Chlorine	IS: 3025 (Part-26): 1986	mg/l	0.21	0.2 min	1 Max.
11	Iron as Fe	IS: 3025 (Part-53): 2003	mg/l	<0.1	1.0 Max.	No Relaxation
12	Magnesium as Mg	IS: 3025 (Part-46): 1994	mg/l	1.2	30 Max.	100 Max.
13	Manganese as Mn	IS: 3025 (Part-59): 2006	mg/l	<0.05	0.1 Max.	0.3 Max.
14	Nitrate as NO <sub>3</sub>	IS: 3025 (Part-34): 1988	mg/l	4.6	45 Max.	No Relaxation
15	Phenolic Compounds as C <sub>6</sub> H <sub>5</sub> OH	IS: 3025 (Part-43): 1992	mg/l	<0.001	0.001 Max.	0.002 Max.
16	Selenium as Se	IS: 3025 (Part-56): 2003	mg/l	<0.01	0.01 Max.	No Relaxation
17	Silver as Ag	Annex J of IS: 13428	mg/l	<0.05	0.1 Max.	No Relaxation
18	Sulphate as SO <sub>4</sub>	IS: 3025 (Part-24): 1986	mg/l	<1	200 Max.	400 Max.

Cont. page - 2



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

**ANALYTICAL CONSULTING & TECHNICAL CHEMISTS**

**(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)**

TAHER MANSION, 1ST FLOOR

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Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447

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

CIN : U51109WB1931PTC007007

## TEST REPORT

No. W(D)/23-24/2216

Date : October 18, 2023

Page 3 of 3

Sl No.	Test parameters	Test Method	Unit	Result	Norms as per IS : 10500, 2012 (2nd Rev.), Amend., June 2015	
					Acceptable Limit	Permissible Limit
19	Sulphide as H <sub>2</sub> S	IS: 3025 (Part-29): 1986	mg/l	<0.05	0.05 Max.	No Relaxation
20	Total Alkanity as CaCO <sub>3</sub>	IS: 3025 (Part-23): 1986	mg/l	58.2	200 Max.	600 Max.
21	Total Hardness as CaCO <sub>3</sub>	IS: 3025 (Part-21) - 2009	mg/l	8.7	200 Max.	600 Max.
22	Zinc as Zn	IS: 3025 (Part-49): 1994	mg/l	2.528	5 Max.	15 Max.

### C. Parameters Concerning Toxic Substances

1	Cadmium as Cd.	IS: 3025 (Part-41): 1992	mg/l	< 0.002	0.003 Max.	No Relaxation
2	Cyanide as CN	IS: 3025 (Part-27): 1986	mg/l	< 0.05	0.05 Max.	No Relaxation
3	Lead as Pb	IS: 3025 (Part-47): 1994	mg/l	< 0.01	0.01 Max.	No Relaxation
4	Mercury as Hg	IS: 3025 (Part-48): 1994	mg/l	< 0.001	0.001 Max.	No Relaxation
5	Nickel as Ni	IS: 3025 (Part - 54) 2003	mg/l	< 0.01	0.02 Max.	No Relaxation
6	Total Arsenic as As	IS: 3025 (Part-37): 1988	mg/l	< 0.002	0.01 Max.	No Relaxation
7	Total Chromium as Cr	IS: 3025 (Part-52): 2003	mg/l	< 0.05	0.05 Max.	No Relaxation

### Minimum detection limit:

i) Turbidity : 1.0NTU	ii) Aluminium : 0.03mg/l	iii) Ammonia : 0.2mg/l	iv) Barium : 0.5mg/l
v) Anionic Detergents : 0.05mg/l	vi) Copper : 0.05mg/l	vii) Silver : 0.05mg/l	viii) Boron : 0.2mg/l
ix) Sulphide : 0.05mg/l	x) Selenium : 0.01mg/l	xi) Cyanide : 0.05mg/l	xii) Iron : 0.1mg/l
xiii) Cadmium : 0.002mg/l	xiv) Fluoride : 0.1mg/l	xv) Mercury : 0.001mg/l	xvi) Lead : 0.01mg/l
xvii) Total Chromium : 0.05mg/l	xviii) Total Arsenic : 0.002mg/l	xix) Manganese : 0.05mg/l	xx) Nickel : 0.01mg/l
xxi) Phenolic Compounds : 0.001mg/l			

### Remarks on Chemical Test Report :

The above mentioned sample of potable 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 :-**

  
Report Verified by  
(J. DAS)

  
(Dr. R. KARIM)  
Technical Manager  
Authorized Signatory  
For R.V.BRIGGS & CO. PRIVATE LTD.



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

**ANALYTICAL CONSULTING & TECHNICAL CHEMISTS**  
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CIN : U51109WB1931PTC007007

## TEST REPORT

ULR NO. TC781523100004237F

No. W(D)/23-24/1135

Date : July 12, 2023

Page 1 of 3

Issued to	: M/S, BIRLA HIGH SCHOOL Mukundapur, 457, Barakhola, Purba Jadavpur, Kolkata - 700099	
Your Ref No.	: Sample Collection Order RVB/FM/01	Environmental conditions during sampling Temperature: 31°C, Transport by : Through Ice Box Transport condition : Cold chain maintained
Sample Description	: Drinking Water	
Collection Source	: Ground Floor Drinking Water Tap After RO Plant	
Sample Drawn by us on	: 05.07.2023 at 03.10pm	
Sample carried out by	: Arjun Gayen	
Sampling Plan :	: RVB/FM/46	Parameters Tested: Microbiological 1) Coliform Organism (2) E.Coli
Method of Sampling	: ISO : 19458 : 2006	
Analysis Completed on	: 07.07.2023	

### Microbiological Test Findings :

Sl No.	Test parameters	Test Method	Unit	Results	Norms as per IS : 10500, 2012 (2nd Rev.), Amend., June 2015
1	Coliform Organism	APHA 23rd Edn. 9222B	CFU/100ml	Absent	Absent
2	E. coli	APHA 23rd Edn. 9222H	CFU/100ml	Absent	Absent

### 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.

-: END OF TEST REPORT :-

NCE

*Hira Prasad*

Principal  
BIRLA HIGH SCHOOL - MUKUNDAPUR  
457, Barakhola, Mukundapur, Purba Jadavpur  
Kolkata - 700 099

BIRLA HIGH SCHOOL - MUKUNDAPUR

*Mehalim*  
Secretary General

*Pijush Kanti Dutta*  
( Pijush Kanti Dutta )  
Sr. Microbiologist  
Authorized Signatory

- ★ The test report shall not be reproduced, except in full, without written approval of the Company.
- ★ Results relate only to the parameters tested.



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CIN : U51109WB1931PTC007007



TC-7815

## TEST REPORT

ULR NO. TC781523100004237F

No. W(D)/23-24/1135

Date : July 12, 2023

Page 2 of 3

Issued to	: M/S, BIRLA HIGH SCHOOL Mukundapur, 457, Barakhola, Purba Jadavpur, Kolkata - 700099	
Your Ref No.	: Sample Collection Order RVB/FM/01	Environmental conditions during sampling
Sample Description	: Drinking Water	Temperature: 31°C,
Collection Source	: Ground Floor Drinking Water Tap After RO Plant	Transport by : Through Ice Box
Sample Drawn by us on	: 05.07.2023 at 03.10pm	Transport condition : Cold chain maintained
Sample carried out by	: Arjun Gayen	Parameters Tested: Physical & Chemical
Sampling Plan :	: RVB/FM/46	1. Organoleptic and Physical - 6 Parameters
Method of Sampling	: IS : 17614 (Part-1) : 2021	2. General Parameters - 22 Parameters
Analysis Completed on	: 10.07.2023	3. Toxic Substances - 8 Parameters

### Physical & Chemical Test Findings :

Sl No.	Test parameters	Test Method	Unit	Results	Norms as per IS : 10500, 2012 (2nd Rev.), Amend., June 2015	
					Acceptable Limit	Permissible Limit
<b>A. Organoleptic and Physical Parameters</b>						
1	Colour	IS: 3025-(part-4): 1983	Hazen	1	5 Max.	15 Max.
2	Odour	IS:3025(Part-5):1983	....	Agreeable	Agreeable	Agreeable
3	Taste	IS:3025(Part-8):1984	---	Agreeable	Agreeable	Agreeable
4	pH value	IS: 3025 (Part-11): 1983	....	7.0	6.5 - 8.5	No Relaxation
5	Turbidity	IS: 3025 (Part-10): 1984	NTU	<1	1 Max.	5 Max.
6	Total Dissolved Solids	IS: 3025 (Part-16): 1984	mg/l	62	500 Max.	2000 Max.
<b>B. General Parameters Concerning Substances Undesirable in Excessive Amounts</b>						
1	Aluminium as Al	IS: 3025 (Part-55)	mg/l	<0.03	0.03 Max.	0.2 Max.
2	Ammonia (NH <sub>3</sub> -N)	IS: 3025(Part-34)	mg/l	<0.2	0.5 Max.	No Relaxation
3	Anionic detergents(as MBAS)	Annex K of IS: 13428	mg/l	<0.05	0.2 Max.	1 Max
4	Barium as Ba	APHA 23rd Edn. 3111D	mg/l	<0.5	0.7 Max.	No Relaxation
5	Boron as B	IS: 3025 (Part-57): 2005	mg/l	<0.2	0.5 Max.	2.4 Max.
6	Calcium as Ca	IS: 3025 (Part-40): 1991	mg/l	4	75 Max.	200 Max.
7	Chloride as Cl	IS: 3025 (Part-32): 1988	mg/l	21	250 Max.	1000 Max.
8	Copper as Cu	IS: 3025 (Part-42): 1992	mg/l	<0.05	0.05 Max.	1.5 Max.
9	Fluoride as F	IS: 3025 (Part-60): 2008	mg/l	<0.1	1 Max.	1.5 Max.
10	Residual free Chlorine	IS: 3025 (Part-26): 1986	mg/l	0.230	0.2 min	1 Max.
11	Iron as Fe	IS: 3025 (Part-53): 2003	mg/l	<0.1	1.0 Max.	No Relaxation
12	Magnesium as Mg	IS: 3025 (Part-46): 1994	mg/l	1	30 Max.	100 Max.
13	Manganese as Mn	IS: 3025 (Part-59): 2006	mg/l	<0.05	0.1 Max.	0.3 Max.
14	Nitrate as NO <sub>3</sub>	IS: 3025 (Part-34): 1988	mg/l	0.4	45 Max.	No Relaxation
15	Phenolic Compounds as C <sub>6</sub> H <sub>5</sub> OH	IS: 3025 (Part-43): 1992	mg/l	<0.001	0.001 Max.	0.002 Max.
16	Selenium as Se	IS: 3025 (Part-56): 2003	mg/l	<0.01	0.01 Max.	No Relaxation
17	Silver as Ag	Annex J of IS: 13428	mg/l	<0.05	0.1 Max.	No Relaxation
18	Sulphate as SO <sub>4</sub>	IS: 3025 (Part-24): 1986	mg/l	<1	200 Max.	400 Max.

Cont. page - 2

*Hira Hase*

Principal

BIRLA HIGH SCHOOL - MUKUNDAPUR  
457, Barakhola, Mukundapur, Purba Jadavpur  
Kolkata - 700 099

BIRLA HIGH SCHOOL - MUKUNDAPUR

*Mehalim*  
Secretary General

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- ★ Results relate only to the parameters tested.



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CIN : U51109WB1931PTC007007

## TEST REPORT

Sl No.	Test parameters	Test Method	Unit	Result	Norms as per IS : 10500, 2012 (2nd Rev.), Amend., June 2015	
					Acceptable Limit	Permissible Limit
19	Sulphide as H <sub>2</sub> S	IS: 3025 (Part-29): 1986	mg/l	<0.05	0.05 Max.	No Relaxation
20	Total Alkanity as CaCO <sub>3</sub>	IS: 3025 (Part-23): 1986	mg/l	34	200 Max.	600 Max.
21	Total Hardness as CaCO <sub>3</sub>	IS: 3025 (Part-21) - 2009	mg/l	15	200 Max.	600 Max.
22	Zinc as Zn	IS: 3025 (Part-49): 1994	mg/l	<0.05	5 Max.	15 Max.
<b>C. Parameters Concerning Toxic Substances</b>						
1	Cadmium as Cd.	IS: 3025 (Part-41): 1992	mg/l	< 0.002	0.003 Max.	No Relaxation
2	Cyanide as CN	IS: 3025 (Part-27): 1986	mg/l	< 0.05	0.05 Max.	No Relaxation
3	Lead as Pb	IS: 3025 (Part-47): 1994	mg/l	< 0.01	0.01 Max.	No Relaxation
4	Mercury as Hg	IS: 3025 (Part-48): 1994	mg/l	< 0.001	0.001 Max.	No Relaxation
5	Molybdenum as Mo	IS: 3025 (Part-2): 2004	mg/l	< 0.05	0.07 Max.	No Relaxation
6	Nickel as Ni	IS: 3025 (Part - 54) 2003	mg/l	< 0.01	0.02 Max.	No Relaxation
7	Total Arsenic as As	IS: 3025 (Part-37): 1988	mg/l	< 0.002	0.01 Max.	No Relaxation
8	Total Chromium as Cr	IS: 3025 (Part-52): 2003	mg/l	< 0.05	0.05 Max.	No Relaxation

### Minimum detection limit:

i) Turbidity : 1.0NTU	ii) Aluminium : 0.03mg/l	iii) Ammonia : 0.2mg/l	iv) Barium : 0.5mg/l
v) Anionic Detergents : 0.01mg/l	vi) Copper : 0.05mg/l	vii) Silver : 0.05mg/l	viii) Boron : 0.2mg/l
ix) Sulphide : 0.05mg/l	x) Selenium : 0.01mg/l	xi) Cyanide : 0.05mg/l	xii) Iron : 0.1mg/l
xiii) Cadmium : 0.002mg/l	xiv) Molybdenum : 0.05mg/l	xv) Mercury : 0.001mg/l	xvi) Lead : 0.01mg/l
xvii) Total Chromium : 0.05mg/l	xviii) Total Arsenic : 0.002mg/l	xix) Zinc : 0.05mg/l	xx) Nickel : 0.01mg/l
xxi) Phenolic Compounds : 0.001mg/l			

### Remarks on Chemical Test Report :

i) The above mentioned sample of potable 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 :-

NCB

Report Verified by  
(J. DAS)

Principal  
BIRLA HIGH SCHOOL - MUKUNDAPUR  
457, Barakhola, Mukundapur, Purba Jadavpur  
Kolkata - 700 099

BIRLA HIGH SCHOOL - MUKUNDAPUR

Secretary General

(Dr. R. KARIM)  
Technical Manager  
Authorized Signatory  
For R.V.BRIGGS & CO. PRIVATE LTD.



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

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CIN : U51109WB1931PTC007007



TC-7815

## TEST REPORT

ULR NO. TC781523100002177F

No. W(D)/23-24/42

Date : April 12, 2023

Page 1 of 3

Issued to

: M/S, BIRLA HIGH SCHOOL

Mukundapur, 457, Barakhola, Purba Jadavpur, Kolkata - 700099

Sample Description	: Drinking Water	<b>Environmental conditions during sample</b> Temperature : 21°C Transport by : Through Ice Box Transport condition : Cold chain maintained
Collection Source	: Ground Floor Drinking Water Tap	
Sample Drawn by us on	: 05.04.2023 at 12:05pm	<b>Parameters Tested:</b> <b>Microbiological :</b> 1) Coliform Organism (2) E.Coli
Sample Carried out by	: Mr. Ashis Manna	
Sampling Plan	: RVB/FM/44	
Method of Sampling	: IS : 1622 : 1981	
Mode of Sample	: Grab	
Analysis Completed on	: 06.04.2023	

### Microbiological Test Findings :

Sl No.	Test parameters	Test Method	Unit	Result	Norms as per IS : 10500, 2012 (2nd Rev.), Amend. ,June 2015
1	Coliform Organism	APHA 23rd Edn. 9222B	CFU/100ml	Absent	Absent
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 :

*Hira Basak*

Principal

BIRLA HIGH SCHOOL - MUKUNDAPUR

457, Barakhola, Mukundapur, Purba Jadavpur  
Kolkata - 700 099

BIRLA HIGH SCHOOL - MUKUNDAPUR

*Mehalima*  
Secretary General

*S. Koruri*

Dr. S. Koruri

Authorized Signatory

(I/C. Microbiological Dept.)



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

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TC-7815

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CIN : U51109WB1931PTC007007

## TEST REPORT

ULR NO. TC781523100002177F

No. W(D)/23-24/42

Date : April 12, 2023

Page 2 of 3

Issued to

: M/S, BIRLA HIGH SCHOOL

Mukundapur, 457, Barakhola, Purba Jadavpur, Kolkata - 700099

Sample Description	: Drinking Water	<b>Environmental conditions during sample</b> Temperature : 21°C Transport by : Through Ice Box Transport condition : Cold chain maintained
Collection Source	: Ground Floor Drinking Water Tap	
Sample Drawn by us on	: 05.04.2023 at 12:05pm	<b>Parameters Tested :</b> As per IS: 10,500, 2012 1. Organoleptic and Physical - 6 Parameters 2. General Parameters - 22 Parameters 3. Toxic Substances - 8 Parameters
Sample Carried out by	: Mr. Ashis Manna	
Sampling Plan	: RVB/FM/44	
Method of Sampling	: IS : 1622 : 1981	
Mode of Sample	: Grab	
Analysis Completed on	: 11.04.2023	

### Physical & Chemical Test Findings :

Sl No.	Test parameters	Test Method	Unit	Result	Norms as per IS : 10500, 2012 (2nd Rev.), Amend. June 2015	
					Acceptable Limit	Permissible Limit
<b>A. Organoleptic and Physical Parameters</b>						
1	Colour	IS: 3025-(part-4): 1983	Hazen	1	5 Max.	15 Max.
2	Odour	IS:3025(Part-5):1983	....	Agreeable	Agreeable	Agreeable
3	Taste	IS:3025(Part-8):1984	---	Agreeable	Agreeable	Agreeable
4	pH value	IS: 3025 (Part-11): 1983	....	6.5	6.5 - 8.5	No Relaxation
5	Turbidity	IS: 3025 (Part-10): 1984	NTU	< 1	1 Max.	5 Max.
6	Total Dissolved Solids	IS: 3025 (Part-16): 1984	mg/l	112	500 Max.	2000 Max.
<b>B. General Parameters Concerning Substances Undesirable in Excessive Amounts</b>						
1	Aluminium as Al	IS: 3025 (Part-55)	mg/l	< 0.03	0.03 Max.	0.2 Max.
2	Ammonia (NH <sub>3</sub> -N)	IS: 3025(Part-34)	mg/l	< 0.2	0.5 Max.	No Relaxation
3	Anionic detergents(as MBAS)	Annex K of IS: 13428	mg/l	< 0.05	0.2 Max.	1 Max
4	Barium as Ba	APHA 23rd Edn. 3111D	mg/l	< 0.5	0.7 Max.	No Relaxation
5	Boron as B	IS: 3025 (Part-57): 2005	mg/l	< 0.2	0.5 Max.	1 Max.
6	Calcium as Ca	IS: 3025 (Part-40): 1991	mg/l	1.6	75 Max.	200 Max.
7	Chloride as Cl	IS: 3025 (Part-32): 1988	mg/l	29.9	250 Max.	1000 Max.
8	Copper as Cu	IS: 3025 (Part-42): 1992	mg/l	< 0.05	0.05 Max.	1.5 Max.
9	Fluoride as F	IS: 3025 (Part-60): 2008	mg/l	< 0.1	1 Max.	1.5 Max.
10	Residual free Chlorine	IS: 3025 (Part-26): 1986	mg/l	< 0.1	0.2 min	1 Max.
11	Iron as Fe	IS: 3025 (Part-53): 2003	mg/l	< 0.1	1.0 Max.	No Relaxation
12	Magnesium as Mg	IS: 3025 (Part-46): 1994	mg/l	< 1	30 Max.	100 Max.
13	Manganese as Mn	IS: 3025 (Part-59): 2006	mg/l	< 0.05	0.1 Max.	0.3 Max.
14	Nitrate as NO <sub>3</sub>	IS: 3025 (Part-34): 1988	mg/l	4.0	45 Max.	No Relaxation
15	Phenolic Compounds as C <sub>6</sub> H <sub>5</sub> OH	IS: 3025 (Part-43): 1992	mg/l	< 0.001	0.001 Max.	0.002 Max.
16	Selenium as Se	IS: 3025 (Part-56): 2003	mg/l	< 0.01	0.01 Max.	No Relaxation
17	Silver as Ag	Annex J of IS: 13428	mg/l	< 0.05	0.1 Max.	No Relaxation
18	Sulphate as SO <sub>4</sub>	IS: 3025 (Part-24): 1986	mg/l	< 5	200 Max.	400 Max.

Cont. page - 2

*Hira Prasad*

Principal

BIRLA HIGH SCHOOL - MUKUNDAPUR  
457, Barakhola, Mukundapur, Purba Jadavpur  
Kolkata - 700 099

BIRLA HIGH SCHOOL - MUKUNDAPUR

*Mehalini*  
Secretary General

*[Signature]*



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

**ANALYTICAL CONSULTING & TECHNICAL CHEMISTS**  
(AN ISO 9001:2015 & ISO 45001: 2018 CERTIFIED COMPANY)

TAHER MANSION, 1ST FLOOR  
9, BENTINCK STREET, KOLKATA - 700 001  
Phone : (033) 4044-3380/3381/3382 / 3383, Fax : 33 2248-0447  
E-mail : rvbriggs.kolkata@gmail.com, Website : www.rvbriggs.com  
CIN : U51109WB1931PTC007007



TC-7815

## TEST REPORT

No. W(D)/23-24/42		Date : April 12, 2023			Page 3 of 3	
Sl No.	Test parameters	Test Method	Unit	Result	Norms as per IS : 10500, 2012 (2nd Rev.), Amend. June 2015	
					Acceptable Limit	Permissible Limit
19	Sulphide as H <sub>2</sub> S	IS: 3025 (Part-29): 1986	mg/l	< 0.05	0.05 Max.	No Relaxation
20	Total Alkalinity as CaCO <sub>3</sub>	IS: 3025 (Part-23): 1986	mg/l	37.8	200 Max.	600 Max.
21	Total Hardness as CaCO <sub>3</sub>	IS: 3025 (Part-21) - 2009	mg/l	5.9	200 Max.	600 Max.
22	Zinc as Zn	IS: 3025 (Part-49): 1994	mg/l	2.19	5 Max.	15 Max.
<b>C. Parameters Concerning Toxic Substances</b>						
1	Cadmium as Cd.	IS: 3025 (Part-41): 1992	mg/l	< 0.002	0.003 Max.	No Relaxation
2	Cyanide as CN	APHA 23rd Edn. 4500 CN-E	mg/l	< 0.02	0.05 Max.	No Relaxation
3	Lead as Pb	IS: 3025 (Part-47): 1994	mg/l	< 0.01	0.01 Max.	No Relaxation
4	Mercury as Hg	IS: 3025 (Part-48): 1994	mg/l	< 0.001	0.001 Max.	No Relaxation
5	Molybdenum as Mo	IS: 3025 (Part-2): 2004	mg/l	< 0.05	0.07 Max.	No Relaxation
6	Nickel as Ni	IS: 3025 (Part - 54) 2003	mg/l	< 0.01	0.02 Max.	No Relaxation
7	Total Arsenic as As	IS: 3025 (Part-37): 1988	mg/l	< 0.002	0.01 Max.	No Relaxation
8	Total Chromium as Cr	IS: 3025 (Part-52): 2003	mg/l	< 0.05	0.05 Max.	No Relaxation

### Minimum detection limit:

i) Turbidity : 1.0NTU	ii) Aluminium : 0.03mg/l	iii) Ammonia : 0.2mg/l	iv) Barium : 0.5mg/l
v) Anionic Detergents : 0.05mg/l	vi) Copper : 0.05mg/l	vii) Fluoride : 0.1mg/l	viii) Boron : 0.2mg/l
ix) Sulphide : 0.05mg/l	x) Selenium : 0.01mg/l	xi) Silver : 0.05mg/l	xii) Iron : 0.1mg/l
xiii) Total Arsenic : 0.002mg/l	xiv) Cadmium : 0.002mg/l	xv) Cyanide : 0.02mg/l	xvi) Lead : 0.01mg/l
xvii) Total Chromium : 0.05mg/l	xviii) Molybdenum : 0.05mg/l	xix) Sulphate : 5.0mg/l	xx) Nickel : 0.01mg/l
xxi) Manganese : 0.05mg/l	xxii) Mercury : 0.001mg/l	xxiii) Phenolic Compounds : 0.001mg/l	
xxiv) Magnesium : 1.0mg/l	xxv) Residual Free Chlorine : 0.1mg/l		

### 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 :

  
Report Verified by  
(J. DAS)

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

  
Principal  
BIRLA HIGH SCHOOL - MUKUNDAPUR  
457, Barakhola, Mukundapur, Purba Jadavpur  
Kolkata - 700 099

BIRLA HIGH SCHOOL - MUKUNDAPUR  
  
Secretary General



भारत सरकार Government of India

राष्ट्रीय परीक्षण शाला (पू.क्षे.)

National Test House (ER)

राष्ट्रीय परीक्षण शाला (पू.क्षे.), 11/1, जज्जस कोर्ट रोड, अलीपुर, कोलकाता, पश्चिम बंगाल - 700027  
11/1, Judges' Court Road, Alipore, Kolkata, West Bengal - 700027



सत्यमेव जयते

PART A. PARTICULARS OF SAMPLE SUBMITTED

COMPLETE TEST CERTIFICATE

भाग 'अ' जमा किये गये नमूने का विवरण

परीक्षण प्रमाणपत्र सं/Test Certificate No:  
NTH(ER)/CH(S)/23/3429\_1

SRF Number:  
NTH(ER)/CH(S)/23/3429

जारी होने की तिथि/Date of issue  
24 Apr, 2023

कोड सं/QR Code  
: NTH230020930

a) जिसे जारी करना है/Issued To	:	Birla High School-Mukundapur
b) पता/Address	:	457 Barakhola, kolkata, 24 Paraganas South, West Bengal, India - 700099
c) ग्राहक का संदर्भ सं एवं दिनांक/Customer's Ref. No.	:	TR/ER/23/1963 - 16 Mar, 2023
d) नमूना मुहरबंद स्थिति/Sample Sealed Status	:	Not Applicable
e) परीक्षण सामग्री का विवरण/Description of Test item	:	DRINKING R/O WATER
e) नामपद्धति का विवरण/Description of Nomenclature	:	DRINKING WATER
f) नमूना का विशिष्टता (यदि हो)/Product Specification(if any)	:	IS 10500 (2012) - Drinking Water - Specification (Second Revision)
g) नमूना प्राप्त की तिथि /Date of Receipt of the Test item	:	24 Mar, 2023
h) कार्य सम्पादन की तिथि/Date(s)of Performance of Tests	:	From: 29 Mar, 2023 To: 24 Apr, 2023
i) Quantity	:	6.0 LTR
j) Any other Information / Expiry Date, If any	:	
k) Section Code	:	23CHEA1CN, 23MBF1B7N
l) Section Report No.	:	23CHEA1CN_1, 23MBF1B7N_1
m) Report Type	:	New
n) Reference Report No.	:	
o) Remarks	:	Please find the Test Report.

Arvind Singh Negi  
OIC SAMPLE CELL  
(Authorized Signatory)  
Authorized on: 24 Apr, 2023 14:33 PM

The certificate relates only to Test/Calibration item submitted to the laboratory for Testing/Calibration. This certificate cannot be reproduced except in full without written approval of the competent Authority of NTH.

This is a Computer Generated Report.

*Hira Prasad*  
Principal  
BIRLA HIGH SCHOOL - MUKUNDAPUR  
457, Barakhola, Mukundapur, Purba Jadavpur  
Kolkata - 700 099

BIRLA HIGH SCHOOL - MUKUNDAPUR  
*Mehalim*  
Secretary General



भारत सरकार Government of India  
राष्ट्रीय परीक्षण शाला (पू.क्षे.)  
National Test House (ER)  
राष्ट्रीय परीक्षण शाला (पू.क्षे.), ब्लॉक-सी.पी., सेक्टर-V, सॉल्ट लेक, कोलकाता, पश्चिम बंगाल -  
700091  
Block-C.P, Sector-V, Salt Lake, Kolkata, West Bengal - 700091



Section Report No. : 23MBF1B7N\_1

IS 10500 (2012)

PART B. SUPPLEMENTARY INFORMATION

1.	नमूना लेने की प्रक्रिया का संदर्भ, जहां लागू हो! Reference to sampling procedure, wherever applicable.	Not Applicable
2.	परीक्षण रिपोर्ट से संबंधित मापन एवं परिमाण प्रप्ति हेतु सहायक प्रलेख जैसे ग्राफ, तालिका, चित्र और / अथवा फोटोग्राफ, यदि कोई हो। Supporting documents for the measurements taken and results derived like graphs, table sketches and or photographs as appropriate to test report, if any.	Not Applicable
3.	सम्बन्ध मानक / कार्य निर्देशों में निर्धारित परीक्षण पद्धति से विचलन, यदि कोई हो। Deviation from the test methods as prescribed in relevant ISS/Work instruction, if any.	Not Applicable
4.	परीक्षण सामग्री की पहचान/identification of Test item	DRINKING R/O WATER
5.	व्यावर्त की प्राणाली की पहचान/Method(s) used for Test	IS:15185
6.	नमूना प्रक्रिया जहां प्रासंगिक हो/Sampling Procedure where relevant	NA
7.	पर्यावरण की स्थिति/Environmental Conditions	-
8.	उपयोग किए जाने वाले प्रमुख मानक/उपकरण/Major Standards/Equipments used	-
9.	कैलिब्रेशन स्थल/Site of Calibration	NA
10.	मापन का पता लगाने की क्षमता/Traceability of Measurement	-

**Veerapandian Sivanandham**  
OIC Testing/Calibration Microbiology  
(Authorized Signatory)  
Authorized on: 12 Apr, 2023 16:35 PM

This is a Computer Generated Report.

*Hira Prasad*

Principal  
BIRLA HIGH SCHOOL - MUKUNDAPUR  
457, Barakhola, Mukundapur, Purba Jadavpur  
Kolkata - 700 099

BIRLA HIGH SCHOOL - MUKUNDAPUR

*Meharaj*  
Secretary General



भारत सरकार Government of India  
राष्ट्रीय परीक्षण शाला (पू.क्षे.)  
National Test House (ER)

राष्ट्रीय परीक्षण शाला (पू.क्षे.), ब्लॉक-सी.पी., सेक्टर-V, सॉल्ट लेक, कोलकाता, पश्चिम बंगाल -  
700091  
Block-C.P, Sector-V, Salt Lake, Kolkata, West Bengal - 700091



Section Report No. : 23MBF1B7N\_1

IS 10500 (2012)

PART C. TEST RESULT

S.No.	Clause No Table No. Sl. No	Parameter - Method of test	Test Description	Min Limit	Max Limit	Unit	Result/ Observation
1	4.1	Total Coliform Bacteria per 100 ml	Total Coliform Bacteria per 100 ml	-	-	-	Absent

**ANINDITA DAS**  
Lab Sc. Testing/Calibration Microbiology  
(Authorized Signatory)

**Veerapandian Sivanandham**  
OIC Testing/Calibration Microbiology  
(Authorized Signatory)  
Authorized on: 12 Apr, 2023 16:35 PM

This is a Computer Generated Report.

*Aina Hasan*

Principal  
BIRLA HIGH SCHOOL - MUKUNDAPUR  
457, Barakhola, Mukundapur, Purba Jadavpur  
Kolkata - 700 099

BIRLA HIGH SCHOOL - MUKUNDAPUR  
*Meharaj*  
Secretary General

BIRLA HIGH SCHOOL - MUKUNDAPUR

Secretary General



सत्यमेव जयते

भारत सरकार Government of India

राष्ट्रीय परीक्षण शाला (पू.क्षे.)

National Test House (ER)

राष्ट्रीय परीक्षण शाला (पू.क्षे.), ब्लॉक-सी.पी., सेक्टर-V, सॉल्ट लेक, कोलकाता, पश्चिम बंगाल - 700091  
Block-C.P, Sector-V, Salt Lake, Kolkata, West Bengal - 700091



Section Report No. : 23MBF1B7N\_1

IS 10500 (2012)

PART D. REMARKS

In respect of test carried out the submitted sample meets the requirements of Indian standard IS:10500:-2012 " Drinking Water- Specification"

PART D. Notes

**Veerapandian Sivanandham**  
OIC Testing/Calibration Microbiology  
(Authorized Signatory)  
Authorized on: 12 Apr, 2023 16:35 PM

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BIRLA HIGH SCHOOL - MUKUNDAPUR

Secretary General

*Hira Prasad*

Principal

BIRLA HIGH SCHOOL - MUKUNDAPUR  
457, Barakhola, Mukundapur, Purba Jadavpur  
Kolkata - 700 099

BIRLA HIGH SCHOOL - MUKUNDAPUR

*Mehalingam*  
Secretary General



सत्यमेव जयते

भारत सरकार **Government of India**  
**राष्ट्रीय परीक्षण शाला (पू.क्षे.)**  
**National Test House (ER)**  
 राष्ट्रीय परीक्षण शाला (पू.क्षे.), ब्लॉक-सी.पी., सेक्टर-V, सॉल्ट लेक, कोलकाता, पश्चिम बंगाल -  
 700091  
**Block-C.P, Sector-V, Salt Lake, Kolkata, West Bengal - 700091**



Section Report No. : 23CHEA1CN\_1

IS 10500 (2012)

PART B. SUPPLEMENTARY INFORMATION

1.	नमूना लेने की प्रक्रिया का संदर्भ, जहां लागू हो! Reference to sampling procedure, wherever applicable.	Not Applicable
2.	परीक्षण रिपोर्ट से संबंधित मापन एवं परिमाण प्रप्ति हेतु सहायक प्रलेख जैसे ग्राफ, तालिका, चित्र और / अथवा फोटोग्राफ, यदि कोई हो। Supporting documents for the measurements taken and results derived like graphs, table sketches and or photographs as appropriate to test report, if any.	Not Applicable
3.	सम्बन्ध मानक / कार्य निर्देशों में निर्धारित परीक्षण पद्धति से विचलन, यदि कोई हो। Deviation from the test methods as prescribed in relevant ISS/Work instruction, if any.	Not Applicable
4.	परीक्षण सामग्री की पहचान/identification of Test item	DRINKING R/O WATER
5.	व्यावृत्त की प्राणाली की पहचान/Method(s) used for Test	IS:3025
6.	नमूना प्रक्रिया जहां प्रासंगिक हो/Sampling Procedure where relevant	NA
7.	पर्यावरण की स्थिति/Environmental Conditions	-
8.	उपयोग किए जाने वाले प्रमुख मानक/उपकरण/Major Standards/Equipments used	AAS
9.	कैलिब्रेशन स्थल/Site of Calibration	NA
10.	मापन का पता लगाने की क्षमता/Traceability of Measurement	-

**Buddh PRAKASH**  
**OIC Testing/Calibration Chemical (General, Standard, Metal, Oil Fuel)**  
 (Authorized Signatory)  
 Authorized on: 24 Apr, 2023 13:09 PM

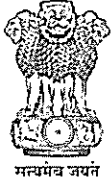
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*Hira Prasad*

Principal  
 BIRLA HIGH SCHOOL - MUKUNDAPUR  
 457, Barakhola, Mukundapur, Purba Jadavpur  
 Kolkata - 700 099

BIRLA HIGH SCHOOL - MUKUNDAPUR

*Mehalim*  
 Secretary General



मस्यमेव जयते

भारत सरकार Government of India  
 राष्ट्रीय परीक्षण शाला (पू.क्षे.)  
**National Test House (ER)**  
 राष्ट्रीय परीक्षण शाला (पू.क्षे.), ब्लॉक-सी.पी., सेक्टर-V, सॉल्ट लेक, कोलकाता, पश्चिम बंगाल -  
 700091  
**Block-C.P, Sector-V, Salt Lake, Kolkata, West Bengal - 700091**



Section Report No. : 23CHEA1CN\_1

IS 10500 (2012)

PART C. TEST RESULT

S.No.	Clause No Table No. Sl. No	Parameter - Method of test	Test Description	Min Limit	Max Limit	Unit	Result/ Observation
1	4	Cyanide (as CN)	mg/l	-	0.05	mg/l	0.0 (Absent)
2	4	Total Chromium (as Cr)	Total Chromium (as Cr)	-	0.05	mg/l	0.05 (mg/l)
3	4	Turbidity	NTU	-	1.0	NTU	0.13 (NTU)
4	4	Taste	Agreeable	-	-	-	Agreeable
5	4	Colour	Hazen Units	-	5.0	Hazen Units	1 (Recorded nearest to 1)
6	4	Odour	Agreeable	-	-	-	Agreeable
7	4	pH value	pH	6.5	8.5	-	6.69 (6.69 at 29.9 Deg. C)
8	4	Total Dissolved Solids	mg/l	-	500.0	mg/l	102 (mg/l)
9	4	Aluminium (as Al)	mg/l	-	0.03	mg/l	0.01 (Read result as less than 0.01)
10	4	Anionic detergents (as MBAS)	mg/l	-	0.2	mg/l	0.1 (Read result as less than 0.1)
11	4	Barium (as Ba)	mg/l	-	0.7	mg/l	0.01 (Read result as less than 0.01)
12	4	Boron (as B)	mg/l	-	0.5	mg/l	0.01 (Read result as less than 0.01)
13	4	Calcium (as Ca)	mg/l	-	75.0	mg/l	1.6 (mg/l)
14	4	Chloride (as Cl)	mg/l	-	250.0	mg/l	26.5 (mg/l)
15	4	Copper (as Cu)	mg/l	-	0.05	mg/l	0.01 (Read result as less than 0.01)
16	4	Fluoride (as F)	mg/l	-	1.0	mg/l	1.0 (mg/l)
17	4	Free residual chlorine	mg/l	-	0.2	mg/l	0.01 (Read result as less than 0.01)
18	4	Iron (as Fe)	mg/l	-	1.0	mg/l	0.02 (mg/l)
19	4	Magnesium (as Mg)	mg/l	-	30.0	mg/l	0.94 (mg/l)
20	4	Manganese (as Mn)	mg/l	-	0.1	mg/l	0.01 (Read result as less than 0.01)
21	4	Nitrate (as NO3)	mg/l	-	45.0	mg/l	0.4 (mg/l)
22	4	Phenolic compounds (as C6H5OH)	mg/l	-	0.001	mg/l	0.001 (Read result as less than 0.001)
23	4	Selenium (as Se)	mg/l	-	0.01	mg/l	0.005 (Read result as less than 0.005)
24	4	Silver (as Ag)	mg/l	-	0.1	mg/l	0.005 (Read result as less than 0.005)
25	4	Sulphate (as SO4)	mg/l	-	200.0	mg/l	6.2 (mg/l)
26	4	Total alkalinity as Calcium carbonate	mg/l	-	200.0	mg/l	62.1 (mg/l)
27	4	Total Hardness (as CaCO3)	mg/l	-	200.0	mg/l	7.8 (mg/l)
28	4	Zinc (as Zn)	mg/l	-	5.0	mg/l	0.04 (mg/l)
29	4	Cadmium (as Cd)	mg/l	-	0.003	mg/l	0.001 (Read result as less than 0.001)

30	4	Lead (as Pb)	mg/l	-	0.01	mg/l	0.005 (Read result as less than 0.005)
31	4	Mercury (as Hg)	mg/l	-	0.001	mg/l	0.001 (Read result as less than 0.001)
32	4	Molybdenum (as Mo)	mg/l	-	0.07	mg/l	0.01 (Read result as less than 0.01)
33	4	Nickel (as Ni)	mg/l	-	0.02	mg/l	0.01 (Read result as less than 0.01)
34	4	Chloride (as Cl)	mg/l	-	250.0	mg/l	26.5 (mg/l)

**TRIPTI MONDAL**  
**Lab Sc. Testing/Calibration Chemical (General, Standard, Metal, Oil Fuel)**  
 (Authorized Signatory)

**Buddh PRAKASH**  
**OIC Testing/Calibration Chemical (General, Standard, Metal, Oil Fuel)**  
 (Authorized Signatory)  
 Authorized on: 24 Apr, 2023 13:09 PM

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Principal  
**BIRLA HIGH SCHOOL - MUKUNDAPUR**  
 457, Barakhola, Mukundapur, Purba Jadavpur  
 Kolkata - 700 099

**BIRLA HIGH SCHOOL - MUKUNDAPUR**



General

BIRLA HIGH SCHOOL - MUKUNDAPUR

Secretary General



भारत सरकार Government of India  
राष्ट्रीय परीक्षण शाला (पू.क्षे.)  
National Test House (ER)

राष्ट्रीय परीक्षण शाला (पू.क्षे.), ब्लॉक-सी.पी., सेक्टर-V, सॉल्ट लेक, कोलकाता, पश्चिम बंगाल - 700091  
Block-C.P, Sector-V, Salt Lake, Kolkata, West Bengal - 700091



Section Report No. : 23CHEA1CN\_1

IS 10500 (2012)

PART D. REMARKS

In respect of tests carried out the submitted sample meets the requirements of Indian standard IS:10500:2012 " Drinking Water- Specification"

PART D. Notes

**Buddh PRAKASH**  
OIC Testing/Calibration Chemical (General, Standard, Metal, Oil Fuel)  
(Authorized Signatory)  
Authorized on: 24 Apr, 2023 13:09 PM

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RU

BIRLA

15

*Hina Prasad*

Principal  
BIRLA HIGH SCHOOL - MUKUNDAPUR  
457, Barakhola, Mukundapur, Purba Jadavpur  
Kolkata - 700 099

BIRLA HIGH SCHOOL - MUKUNDAPUR

*Mehalima*  
Secretary General

KA : CAL : 856 / 473

Date : 02.03.2023


**TO WHOM IT MAY CONCERN**

**CERTIFICATE FOR SANITARY AND SEWAGE DISPOSAL SYSTEM AT PREMISES NO. 457, BARAKHOLA, WARD NO. : 109, BOROUGH - XII, KOLKATA - 700 099, FOR BIRLA HIGH SCHOOL (A JOINT VENTURE OF BIRLA HIGH SCHOOL AND SHRI SHIKSHYATAN FOUNDATION)**

This is to certify that the Sanitary Provision and Sewage Disposal System incorporated and in operation includes sufficient fixtures and facilities to suit the number of users in the building as per The National Building code.

The Sewage is proposed to be connected to the City Sewerage System.

For KOTHARI & ASSOCIATES

  
**NIBEDITA GHOSH**  
ARCHITECT  
SL. No.-284 A  
CA. No.-95 / 18098  
Kothari & Associates  
14-B, Camac Street, Kol-17

  
**BIMAL MISTRY**  
L.B.S.- 867 (1) CMC

# Council of Architecture

## Duplicate Certificate of Registration

This is to certify that the name of

Ms. NIBEDITA GHOSH

has been entered in the register and her Registration No. is

CA/1995/18098

This certificate is valid from the sixth  
day of February 1995 to the thirty-first  
day of December 1996 inclusive.

The Duplicate Certificate is issued as the original  
one has been Lost.

List of Additional Qualifications:

Given under the common Seal of the Council of  
Architecture,

NIBEDITA GHOSH  
48/1, N.K. Ghosal Road,  
Kolkata-700 092  
Mob:  
9748733468



*N Ghosh*

this thirtieth day of December 2021

Secretary

Renewals

Valid Upto

31.12.2021

31.12.2031

Signature of  
Registrar

President