



EKDANT ENVIRO SERVICES (P) LIMITED

NABL Accredited & MoEF Recognised Laboratory
An ISO 9001 : 2015 and OHSAS 45001 : 2018 Certified Company

No. R7/1, AVK Tower, North Main Road, Anna Nagar West Extn. Chennai - 600 101.
Phone : 044 - 2615 3349. Mobile : 94444 11178 / 94449 71649
E-mail : ekdantlab@gmail.com / ekdantfinance19@gmail.com
Web : www.ekdantlab.co.in

TEST REPORT

Sample Ref No. : EES/W/347/10		Report No. : 537/10				
Issued To: M/s.B.S.A.R. Crescent Institute of Science & Technology Vandalur, Chennai-600 048.		Report Date : 30.10.2021 Page: 1 of 2				
Sample Description : Water		Received On : 26.10.2021				
Sample Drawn By/ Date : EES / 26.10.2021		Commenced On : 26.10.2021				
Customer's Reference : Letter Dated on 26.10.2021		Completed On : 30.10.2021				
Sample Mark : RO Water						
Sample Location : Main Block						
Sl. No	PARAMETERS	UNITS	RESULTS	As Per IS 10500:2012		PROTOCOL: APHA 23 rd Edition 2017
				Requirement (Acceptable limit)	Permissible limit in the absence of alternate source	
Physical Properties						
1	Appearance: When Analyzed After Filtration	-	Clear Clear	-	-	-
2	pH value at 25°C	-	6.51	6.5 – 8.5	6.5 – 8.5	4500 H ⁺ B
3	Color	Hazen	1.0	5	15	2120 B
4	Odor	-	Agreeable	Agreeable	Agreeable	IS 3025 P.5 1983
5	Turbidity	NTU	BLQ (LOQ=0.1)	1	5	2130 B
6	Electrical conductivity at 25°C	Micromhos/cm	82.0	-	-	2510 B
Chemical Properties						
7	Total Suspended Solids	mg/l	BLQ (LOQ=1.0)	-	-	IS:3025: P.17:1984
8	Total Dissolved Solids	mg/l	48.0	500	2000	IS 3025:P.16:1984

---End of Page 1---



B. Pragasam
Authorized Signatory

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TEST REPORT – ADDITIONAL SHEET

Sample Ref No. : EES/W/347/10

Report No. : 537/10

Report Date : 30.10.2021

Page: 2 of 2

Sl. No	PARAMETERS	UNITS	RESULTS	As Per IS 10500:2012		PROTOCOL: APHA 23 rd Edition 2017
				Requirement (Acceptable limit)	Permissible limit in the absence of alternate source	
9	Total Hardness as CaCO ₃	mg/l	9.0	200	600	2340 C
10	Calcium Hardness as CaCO ₃	mg/l	4.0	-	-	3500 - Ca B
	Magnesium Hardness as CaCO ₃	mg/l	5.0	-	-	3500 - Mg B
12	Calcium as Ca	mg/l	1.60	75	200	3500 - Ca B
13	Magnesium as Mg	mg/l	1.20	30	100	3500 - Mg B
14	Phenolphthalein Alkalinity as CaCO ₃	mg/l	Nil	-	-	2320 B
15	Total Alkalinity as CaCO ₃	mg/l	14.0	200	600	2320 B
16	Chlorides as Cl	mg/l	16.0	250	1000	4500 Cl B
17	Sulfates as SO ₄	mg/l	0.71	200	400	4500 SO ₄ ²⁻ E
18	Total Iron as Fe	mg/l	BLQ (LOQ=0.01)	0.3	0.3	3500 Fe- B
19	Silica (Reactive) as SiO ₂	mg/l	3.30	-	-	IS 3025: P.35:1988
20	Carbonate Hardness as CaCO ₃	mg/l	9.0	-	-	2340 A
21	Non-Carbonate Hardness as CaCO ₃	mg/l	Nil	-	-	2340 A
22	Free Residual Chlorine	mg/l	BLQ (LOQ=0.1)	0.2	**1	4500 Cl B

BLQ= Below Limit of Quantification; LOQ= Limit of Quantification

** To be applicable only when water is chlorinated.

Report Opinion: The above submitted water sample complies with acceptable limits of drinking water specification as per IS 10500:2012 with respect to the above tests.

Ref. Decision Rule: EES/QSP/012

---End of Report---



J. B. Praga Indhi
Authorized Signatory

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TEST REPORT

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Vandalur, Chennai-600 048.

Report No. : 537/10

Report Date : 30.10.2021

Page: 1 of 1

Sample Description : Water

Sample Drawn By/ Date : EES / 26.10.2021

Customer's Reference : Letter Dated on 26.10.2021

Sample Mark : RO Water

Sample Location : Main Block

Received On : 26.10.2021

Commenced On : 26.10.2021

Completed On : 30.10.2021

Sl. No	PARAMETERS	UNITS	RESULTS	Requirement as per IS 10500: 2012 Second revision (Acceptable Limit)	PROTOCOL
MICROBIOLOGICAL EXAMINATION					
1	Total Coliforms	MPN / 100ml	Absent	Shall not be detectable in any 100 ml	IS:1622-1981 Amd.4 RA 2012
2	E.coli	MPN / 100ml	Absent	Shall not be detectable in any 100 ml	IS:1622-1981 Amd.4 RA 2012

MPN- Most Probable Number

Report Opinion: The above submitted water sample meets the requirement of drinking water specification as per IS 10500:2012 with respect to the parameters tested.

Ref. Decision Rule: EES/QSP/012

---End of Report---



Authorized Signatory

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TEST REPORT

Sample Ref No. : EES/W/350/10	Report No. : 540/10
Issued To: M/s. B.S.A.R. Crescent Institute of Science & Technology Vandalur, Chennai-600 048.	Report Date : 30.10.2021 Page: 1 of 2
Sample Description : Water	Received On : 26.10.2021
Sample Drawn By/ Date : EES / 26.10.2021	Commenced On : 26.10.2021
Customer's Reference : Letter Dated on 26.10.2021	Completed On : 30.10.2021
Sample Mark : RO Water	
Sample Location : Aero Space	

Sl. No	PARAMETERS	UNITS	RESULTS	As Per IS 10500:2012		PROTOCOL: APHA 23 rd Edition 2017
				Requirement (Acceptable limit)	Permissible limit in the absence of alternate source	
Physical Properties						
1	Appearance: When Analyzed After Filtration	-	Clear Clear	- -	- -	-
2	pH value at 25°C	-	6.94	6.5 – 8.5	6.5 – 8.5	4500 H ⁺ B
3	Color	Hazen	1.0	5	15	2120 B
4	Odor	-	Agreeable	Agreeable	Agreeable	IS 3025 P.5 1983
5	Turbidity	NTU	BLQ (LOQ=0.1)	1	5	2130 B
6	Electrical conductivity at 25°C	Micromhos/cm	37.0	-	-	2510 B
Chemical Properties						
7	Total Suspended Solids	mg/l	BLQ (LOQ=1.0)	-	-	IS:3025: P. 17:1984
8	Total Dissolved Solids	mg/l	20.0	500	2000	IS 3025:P.16:1984

---End of Page 1---



B. Pragasam
Authorized Signatory

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TEST REPORT – ADDITIONAL SHEET

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Report No. : 540/10

Report Date : 30.10.2021

Page: 2 of 2

Sl. No	PARAMETERS	UNITS	RESULTS	As Per IS 10500:2012		PROTOCOL: APHA 23 rd Edition 2017
				Requirement (Acceptable limit)	Permissible limit in the absence of alternate source	
9	Total Hardness as CaCO ₃	mg/l	4.0	200	600	2340 C
10	Calcium Hardness as CaCO ₃	mg/l	3.0	-	-	3500 - Ca B
11	Magnesium Hardness as CaCO ₃	mg/l	1.0	-	-	3500 - Mg B
12	Calcium as Ca	mg/l	1.20	75	200	3500 - Ca B
13	Magnesium as Mg	mg/l	0.24	30	100	3500 - Mg B
14	Phenolphthalein Alkalinity as CaCO ₃	mg/l	Nil	-	-	2320 B
15	Total Alkalinity as CaCO ₃	mg/l	9.0	200	600	2320 B
16	Chlorides as Cl	mg/l	12.0	250	1000	4500 Cl B
17	Sulfates as SO ₄	mg/l	BLQ (LOQ=0.1)	200	400	4500 SO ₄ ²⁻ E
18	Total Iron as Fe	mg/l	BLQ (LOQ=0.01)	0.3	0.3	3500 Fe- B
19	Silica (Reactive) as SiO ₂	mg/l	0.43	-	-	IS 3025: P.35:1988
20	Carbonate Hardness as CaCO ₃	mg/l	4.0	-	-	2340 A
21	Non-Carbonate Hardness as CaCO ₃	mg/l	Nil	-	-	2340 A
22	Free Residual Chlorine	mg/l	BLQ (LOQ=0.1)	0.2	**1	4500 Cl B

BLQ= Below Limit of Quantification; LOQ= Limit of Quantification

** To be applicable only when water is chlorinated.

Report Opinion: The above submitted water sample complies with acceptable limits of drinking water specification as per IS 10500:2012 with respect to the above tests.

Ref. Decision Rule: EES/QSP/012

----End of Report----



B. Pragasam
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Report No. : 540/10

Report Date : 30.10.2021

Page: 1 of 1

Sample Description : Water

Sample Drawn By/ Date : EES / 26.10.2021

Customer's Reference : Letter Dated on 26.10.2021

Sample Mark : RO Water

Sample Location : Aero Space

Received On : 26.10.2021

Commenced On : 26.10.2021

Completed On : 30.10.2021

Sl. No	PARAMETERS	UNITS	RESULTS	Requirement as per IS 10500: 2012 Second revision (Acceptable Limit)	PROTOCOL
MICROBIOLOGICAL EXAMINATION					
1	Total Coliforms	MPN / 100ml	Absent	Shall not be detectable in any 100 ml	IS:1622-1981 Amd.4 RA 2012
2	E coli	MPN / 100ml	Absent	Shall not be detectable in any 100 ml	IS:1622-1981 Amd.4 RA 2012

MPN- Most Probable Number

Report Opinion: The above submitted water sample meets the requirement of drinking water specification as per IS 10500:2012 with respect to the parameters tested.

Ref. Decision Rule: EES/QSP/012

---End of Report---



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TEST REPORT

Sample Ref No : EES/W/348/10				Report No. : 538/10		
Issued To: M/s.B.S.A.R. Crescent Institute of Science & Technology Vandalur, Chennai-600 048.				Report Date : 30.10.2021 Page: 1 of 2		
Sample Description : Water				Received On : 26.10.2021		
Sample Drawn By/ Date : EES / 26.10.2021				Commenced On : 26.10.2021		
Customer's Reference : Letter Dated on 26.10.2021				Completed On : 30.10.2021		
Sample Mark : RO Water						
Sample Location : Life Science						
Sl. No	PARAMETERS	UNITS	RESULTS	As Per IS 10500:2012		PROTOCOL: APHA 23 rd Edition 2017
				Requirement (Acceptable limit)	Permissible limit in the absence of alternate source	
Physical Properties						
1	Appearance: When Analyzed After Filtration	-	Clear Clear	-	-	-
2	pH value at 25°C	-	6.98	6.5 - 8.5	6.5 - 8.5	4500 H ⁺ B
3	Color	Hazen	1.0	5	15	2120 B
4	Odor	-	Agreeable	Agreeable	Agreeable	IS 3025 P.5 1983
5	Turbidity	NTU	BLQ (LOQ=0.1)	1	5	2130 B
6	Electrical conductivity at 25°C	Micromhos/cm	86.0	-	-	2510 B
Chemical Properties						
	Total Suspended Solids	mg/l	BLQ (LOQ=1.0)	-	-	IS:3025: P.17:1984
8	Total Dissolved Solids	mg/l	50.0	500	2000	IS 3025:P.16:1984

---End of Page 1---



B. Priya Linder
Authorized Signatory

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TEST REPORT – ADDITIONAL SHEET

Sample Ref No. : EES/W/348/10

Report No. : 538/10

Report Date : 30.10.2021

Page: 2 of 2

Sl. No	PARAMETERS	UNITS	RESULTS	As Per IS 10500:2012		PROTOCOL: APHA 23 rd Edition 2017
				Requirement (Acceptable limit)	Permissible limit in the absence of alternate source	
9	Total Hardness as CaCO ₃	mg/l	17.0	200	600	2340 C
10	Calcium Hardness as CaCO ₃	mg/l	6.0	-	-	3500 - Ca B
11	Magnesium Hardness as CaCO ₃	mg/l	11.0	-	-	3500 - Mg B
12	Calcium as Ca	mg/l	2.40	75	200	3500 - Ca B
13	Magnesium as Mg	mg/l	2.64	30	100	3500 - Mg B
14	Phenolphthalein Alkalinity as CaCO ₃	mg/l	Nil	-	-	2320 B
15	Total Alkalinity as CaCO ₃	mg/l	4.0	200	600	2320 B
16	Chlorides as Cl	mg/l	17.0	250	1000	4500 Cl B
17	Sulfates as SO ₄	mg/l	1.79	200	400	4500 SO ₄ ²⁻ E
18	Total Iron as Fe	mg/l	BLQ (LOQ=0.01)	0.3	0.3	3500 Fe- B
19	Silica (Reactive) as SiO ₂	mg/l	4.78	-	-	IS 3025: P.35:1988
20	Carbonate Hardness as CaCO ₃	mg/l	4.0	-	-	2340 A
21	Non-Carbonate Hardness as CaCO ₃	mg/l	13.0	-	-	2340 A
22	Free Residual Chlorine	mg/l	BLQ (LOQ=0.1)	0.2	**1	4500 Cl B

Q= Below Limit of Quantification; LOQ= Limit of Quantification

** To be applicable only when water is chlorinated.

Report Opinion: The above submitted water sample complies with acceptable limits of drinking water specification as per IS 10500:2012 with respect to the above tests.

Ref. Decision Rule: EES/QSP/012

----End of Report----



B. Pragasam
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Sample Description : Water	Sample Drawn By/ Date : EES / 26.10.2021	Received On : 26.10.2021	Commenced On : 26.10.2021		
Customer's Reference : Letter Dated on 26.10.2021	Sample Mark : RO Water	Completed On : 30.10.2021			
Sample Location : Life Science					
Sl. No	PARAMETERS	UNITS	RESULTS	Requirement as per IS 10500: 2012 Second revision (Acceptable Limit)	PROTOCOL
MICROBIOLOGICAL EXAMINATION					
1	Total Coliforms	MPN / 100ml	Absent	Shall not be detectable in any 100 ml	IS:1622-1981 Amd.4 RA 2012
2	E.coli	MPN / 100ml	Absent	Shall not be detectable in any 100 ml	IS:1622-1981 Amd.4 RA 2012
MPN- Most Probable Number Report Opinion: The above submitted water sample meets the requirement of drinking water specification as per IS 10500:2012 with respect to the parameters tested. Ref. Decision Rule: EES/QSP/012					

-----End of Report-----



Vijaya

Authorized Signatory

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Sample Drawn By/ Date : EES / 26.10.2021				Commenced On : 26.10.2021		
Customer's Reference : Letter Dated on 26.10.2021				Completed On : 30.10.2021		
Sample Mark : RO Water						
Sample Location : Architeture						
Sl. No	PARAMETERS	UNITS	RESULTS	As Per IS 10500:2012		PROTOCOL: APHA 23 rd Edition 2017
				Requirement (Acceptable limit)	Permissible limit in the absence of alternate source	
Physical Properties						
1	Appearance When Analyzed After Filtration	- -	Clear Clear	- -	- -	-
2	pH value at 25°C	-	7.02	6.5 – 8.5	6.5 – 8.5	4500 H ⁺ B
3	Color	Hazen	1.0	5	15	2120 B
4	Odor	-	Agreeable	Agreeable	Agreeable	IS 3025 P.5 1983
5	Turbidity	NTU	BLQ (LOQ=0.1)	1	5	2130 B
6	Electrical conductivity at 25°C	Micromhos/cm	162	-	-	2510 B
Chemical Properties						
7	Total Suspended Solids	mg/l	BLQ (LOQ=1.0)	-	-	IS:3025: P.17:1984
8	Total Dissolved Solids	mg/l	96.0	500	2000	IS 3025:P.16:1984

----End of Page 1----



B. Princy
Authorized Signatory

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TEST REPORT – ADDITIONAL SHEET

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				Requirement (Acceptable limit)	Permissible limit in the absence of alternate source		
9	Total Hardness as CaCO ₃	mg/l	32.0	200	600	2340 C	
10	Calcium Hardness as CaCO ₃	mg/l	9.0	-	-	3500 - Ca B	
11	Magnesium Hardness as CaCO ₃	mg/l	23.0	-	-	3500 - Mg B	
12	Calcium as Ca	mg/l	3.60	75	200	3500 - Ca B	
13	Magnesium as Mg	mg/l	5.52	30	100	3500 - Mg B	
14	Phenolphthalein Alkalinity as CaCO ₃	mg/l	Nil	-	-	2320 B	
15	Total Alkalinity as CaCO ₃	mg/l	28.0	200	600	2320 B	
16	Chlorides as Cl	mg/l	30	250	1000	4500 Cl B	
17	Sulfates as SO ₄	mg/l	5.0	200	400	4500 SO ₄ ²⁻ E	
18	Total Iron as Fe	mg/l	BLQ (LOQ=0.01)	0.3	0.3	3500 Fe- B	
19	Silica (Reactive) as SiO ₂	mg/l	5.80	-	-	IS 3025: P 35:1988	
20	Carbonate Hardness as CaCO ₃	mg/l	28.0	-	-	2340 A	
21	Non-Carbonate Hardness as CaCO ₃	mg/l	4.0	-	-	2340 A	
22	Free Residual Chlorine	mg/l	BLQ (LOQ=0.1)	0.2	**1	4500 Cl B	

Q= Below Limit of Quantification; LOQ= Limit of Quantification

** To be applicable only when water is chlorinated.

Report Opinion: The above submitted water sample complies with acceptable limits of drinking water specification as per IS 10500:2012 with respect to the above tests.

Ref. Decision Rule: EES/QSP/012

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Customer's Reference : Letter Dated on 26.10.2021	Completed On : 30.10.2021
Sample Mark : RO Water	
Sample Location : Architecture	

Sl. No	PARAMETERS	UNITS	RESULTS	Requirement as per IS 10500: 2012 Second revision (Acceptable Limit)	PROTOCOL
MICROBIOLOGICAL EXAMINATION					
1	Total Coliforms	MPN / 100ml	Absent	Shall not be detectable in any100 ml	IS:1622-1981 Amd.4 RA 2012
2	E.coli	MPN / 100ml	Absent	Shall not be detectable in any100 ml	IS:1622-1981 Amd.4 RA 2012

MPN- Most Probable Number

Report Opinion: The above submitted water sample meets the requirement of drinking water specification as per IS 10500:2012 with respect to the parameters tested.

Ref. Decision Rule: EES/QSP/012

---End of Report---



Authorized Signatory

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E-mail : ekdantlab@gmail.com / ekdantfinance19@gmail.com

Web : www.ekdantlab.co.in

TEST REPORT

Sample Ref No. : EES/W/353/10				Report No. : 543/10		
Issued To: M/s.B.S.A.R. Crescent Institute of Science & Technology Vandalur, Chennai-600 048.				Report Date : 30.10.2021		
Sample Description : Water				Page: 1 of 2		
Sample Drawn By/ Date : EES / 26.10.2021				Received On : 26.10.2021		
Customer's Reference : Letter Dated on 26.10.2021				Commenced On : 26.10.2021		
Sample Mark : RO Water				Completed On : 30.10.2021		
Sample Location : Ladies Hostel						
Sl. No	PARAMETERS	UNITS	RESULTS	As Per IS 10500:2012		PROTOCOL: APHA 23 rd Edition 2017
				Requirement (Acceptable limit)	Permissible limit in the absence of alternate source	
Physical Properties						
1	Appearance When Analyzed After Filtration	-	Clear Clear	-	-	-
2	pH value at 25°C	-	6.73	6.5 – 8.5	6.5 – 8.5	4500 H ⁺ B
3	Color	Hazen	1.0	5	15	2120 B
4	Odor	-	Agreeable	Agreeable	Agreeable	IS 3025 P.5 1983
5	Turbidity	NTU	BLQ (LOQ=0.1)	1	5	2130 B
6	Electrical conductivity at 25°C	Micromhos/cm	118	-	-	2510 B
Chemical Properties						
7	Total Suspended Solids	mg/l	BLQ (LOQ=1.0)	-	-	IS:3025 P.17:1984
8	Total Dissolved Solids	mg/l	68.0	500	2000	IS 3025 P.16:1984

---End of Page 1---



B. Pragasam
Authorized Signatory

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**TEST REPORT – ADDITIONAL SHEET**

Sample Ref No. : EES/W/353/10

Report No. : 543/10

Report Date : 30.10.2021

Page: 2 of 2

Sl. No	PARAMETERS	UNITS	RESULTS	As Per IS 10500:2012		PROTOCOL: APHA 23 rd Edition 2017
				Requirement (Acceptable limit)	Permissible limit in the absence of alternate source	
9	Total Hardness as CaCO ₃	mg/l	16.0	200	600	2340 C
10	Calcium Hardness as CaCO ₃	mg/l	5.0	-	-	3500 - Ca B
11	Magnesium Hardness as CaCO ₃	mg/l	11.0	-	-	3500 - Mg ⁺ B
12	Calcium as Ca	mg/l	2.0	75	200	3500 - Ca B
13	Magnesium as Mg	mg/l	2.64	30	100	3500 - Mg ⁺ B
14	Phenolphthalein Alkalinity as CaCO ₃	mg/l	Nil	-	-	2320 B
15	Total Alkalinity as CaCO ₃	mg/l	20.0	200	600	2320 B
16	Chlorides as Cl	mg/l	19.0	250	1000	4500 Cl ⁻ B
17	Sulfates as SO ₄	mg/l	4.0	200	400	4500 SO ₄ ²⁻ E
18	Total Iron as Fe	mg/l	BLQ (LOQ=0.01)	0.3	0.3	3500 Fe- B
19	Silica (Reactive) as SiO ₂	mg/l	5.40	-	-	IS 3025 P.35:1988
20	Carbonate Hardness as CaCO ₃	mg/l	16.0	-	-	2340 A
21	Non-Carbonate Hardness as CaCO ₃	mg/l	Nil	-	-	2340 A
22	Free Residual Chlorine	mg/l	BLQ (LOQ=0.1)	0.2	**1	4500 Cl B

BLQ= Below Limit of Quantification; LOQ= Limit of Quantification

** To be applicable only when water is chlorinated.

Report Opinion: The above submitted water sample complies with acceptable limits of drinking water specification as per IS 10500:2012 with respect to the above tests.

Ref. Decision Rule: EES/QSP/012

---End of Report---



J. B. Pragasam
Authorized Signatory

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TEST REPORT

Sample Ref No. : EES/W/353/10		Report No. : 543/10			
Issued To: M/s.B.S.A.R. Crescent Institute of Science & Technology Vandalur, Chennai-600 048.		Report Date : 30.10.2021 Page: 1 of 1			
Sample Description : Water	Sample Drawn By/ Date : EES / 26.10.2021	Received On : 26.10.2021	Commenced On : 26.10.2021		
Customer's Reference : Letter Dated on 26.10.2021	Sample Mark : RO Water	Completed On : 30.10.2021			
Sample Location : Ladies Hostel					
Sl. No	PARAMETERS	UNITS	RESULTS	Requirement as per IS 10500: 2012 Second revision (Acceptable Limit)	PROTOCOL
MICROBIOLOGICAL EXAMINATION					
1	Total Coliforms	MPN / 100ml	Absent	Shall not be detectable in any100 ml	IS:1622-1981 Amd.4 RA 2012
2	E coli	MPN / 100ml	Absent	Shall not be detectable in any100 ml	IS:1622-1981 Amd.4 RA 2012
MPN - Most Probable Number Report Opinion: The above submitted water sample meets the requirement of drinking water specification as per IS 10500:2012 with respect to the parameters tested. Ref. Decision Rule: EES/QSP/012					

-----End of Report-----



Niraya
Authorized Signatory

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Web : www.ekdantlab.co.in

TEST REPORT

Sample Ref No. : EES/W/358/10	Report No. : 548/10
Issued To: M/s. B.S.A Crescent Institute of Science & Technology Vandalur, Chennai-600 048.	Report Date : 30.10.2021 Page: 1 of 2
Sample Description : Water	Received On : 26.10.2021
Sample Drawn By/ Date : EES / 26.10.2021	Commenced On : 26.10.2021
Customer's Reference : Letter Dated on 26.10.2021	Completed On : 30.10.2021
Sample Mark : Lorry Water	
Sample Location : Kolapakkam	

Sl. No	PARAMETERS	UNITS	RESULTS	As Per IS 10500:2012		PROTOCOL: APHA 23 rd Edition 2017
				Requirement (Acceptable limit)	Permissible limit in the absence of alternate source	
Physical Properties						
1	Appearance When Analyzed After Filtration	-	Slightly Turbid Clear	-	-	-
2	pH value at 25°C	-	7.41	6.5 - 8.5	6.5 - 8.5	4500 H ⁺ B
3	Color	Hazen	13.0	5	15	2120 B
4	Odor	-	Agreeable	Agreeable	Agreeable	IS 3025 P.5 1983
5	Turbidity	NTU	0.50	1	5	2130 B
6	Electrical conductivity at 25°C	Micromhos/cm	2008	-	-	2510 B
Chemical Properties						
7	Total Suspended Solids	mg/l	1.0	-	-	IS:3025: P.17:1984
8	Total Dissolved Solids	mg/l	1145	500	2000	IS 3025:P.16:1984

---End of Page 1---



J. B. Pragasam
Authorized Signatory

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TEST REPORT – ADDITIONAL SHEET

Sample Ref No. : EES/W/358/10

Report No. : 548/10

Report Date : 30.10.2021

Page: 2 of 2

Sl. No	PARAMETERS	UNITS	RESULTS	As Per IS 10500:2012		PROTOCOL: APHA 23 rd Edition 2017
				Requirement (Acceptable limit)	Permissible limit in the absence of alternate source	
9	Total Hardness as CaCO ₃	mg/l	760	200	600	2340 C
10	Calcium Hardness as CaCO ₃	mg/l	320	-	-	3500 - Ca B
11	Magnesium Hardness as CaCO ₃	mg/l	440	-	-	3500 - Mg B
12	Calcium as Ca	mg/l	128	75	200	3500 - Ca B
13	Magnesium as Mg	mg/l	106	30	100	3500 - Mg B
14	Phenolphthalein Alkalinity as CaCO ₃	mg/l	Nil	-	-	2320 B
15	Total Alkalinity as CaCO ₃	mg/l	420	200	600	2320 B
16	Chlorides as Cl	mg/l	253	250	1000	4500 Cl B
17	Sulfates as SO ₄	mg/l	104	200	400	4500 SO ₄ ²⁻ E
18	Total Iron as Fe	mg/l	0.26	0.3	0.3	3500 Fe- B
19	Silica (Reactive) as SiO ₂	mg/l	52.0	-	-	IS 3025; P.35:1988
20	Carbonate Hardness as CaCO ₃	mg/l	420	-	-	2340 A
21	Non-Carbonate Hardness as CaCO ₃	mg/l	340	-	-	2340 A
22	Free Residual Chlorine	mg/l	BLQ (LOQ=0.1)	0.2	**1	4500 Cl B

BLQ= Below Limit of Quantification; LOQ= Limit of Quantification

** To be applicable only when water is chlorinated.

---End of Report---



J. B. Prinja Indir
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Web : www.ekdantlab.co.in

TEST REPORT					
Sample Ref No. : EES/W/358/10			Report No. : 548/10		
Issued To: M/s.B.S.A.R. Crescent Institute of Science & Technology Vandalur, Chennai-600 048.			Report Date : 30.10.2021 Page: 1 of 1		
Sample Description : Water			Received On : 26.10.2021		
Sample Drawn By/ Date : EES / 26.10.2021			Commenced On : 26.10.2021		
Customer's Reference : Letter Dated on 26.10.2021			Completed On : 30.10.2021		
Sample Mark : Lorry Water					
Sample Location : Kolapakkam					
Sl. No	PARAMETERS	UNITS	RESULTS	Requirement as per IS 10500: 2012 Second revision (Acceptable Limit)	PROTOCOL
MICROBIOLOGICAL EXAMINATION					
1	Total Coliforms	MPN / 100ml	Absent	Shall not be detectable in any100 ml	IS:1622-1981 Amd.4 RA 2012
2	E.coli	MPN / 100ml	Absent	Shall not be detectable in any100 ml	IS:1622-1981 Amd.4 RA 2012
MPN: Most Probable Number					

---End of Report---



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TEST REPORT

Sample Ref No. : EES/W/356/10	Report No. : 546/10
Issued To: M/s.B.S.A.R. Crescent Institute of Science & Technology Vandalur, Chennai-600 048.	Report Date : 30.10.2021 Page: 1 of 2
Sample Description : Water	Received On : 26.10.2021
Sample Drawn By/ Date : EES / 26.10.2021	Commenced On : 26.10.2021
Customer's Reference : Letter Dated on 26.10.2021	Completed On : 30.10.2021
Sample Mark : Lorry Water	
Sample Location : Men's Hostel Kandigai	

Sl. No	PARAMETERS	UNITS	RESULTS	As Per IS 10500:2012		PROTOCOL: APHA 23 rd Edition 2017
				Requirement (Acceptable limit)	Permissible limit in the absence of alternate source	
Physical Properties						
1	Appearance: When Analyzed After Filtration	-	Slightly Turbid Clear	-	-	-
2	pH value at 25°C	-	7.36	6.5 – 8.5	6.5 – 8.5	4500 H ⁺ B
3	Color	Hazen	10.0	5	15	2120 B
4	Odor	-	Agreeable	Agreeable	Agreeable	IS 3025 P.5 1983
5	Turbidity	NTU	0.10	1	5	2130 B
6	Electrical conductivity at 25°C	Micromhos/cm	2386	-	-	2510 B
Chemical Properties						
7	Total Suspended Solids	mg/l	BLQ (LOQ=1.0)	-	-	IS:3025: P.17:1984
8	Total Dissolved Solids	mg/l	1360	500	2000	IS 3025:P.16:1984

---End of Page 1---



J. B. Pragasam
Authorized Signatory

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**TEST REPORT – ADDITIONAL SHEET**

Sample Ref No. : EES/W/356/10

Report No. : 546/10

Report Date : 30.10.2021

Page: 2 of 2

Sl. No	PARAMETERS	UNITS	RESULTS	As Per IS 10500:2012		PROTOCOL: APHA 23 rd Edition 2017
				Requirement (Acceptable limit)	Permissible limit in the absence of alternate source	
9	Total Hardness as CaCO ₃	mg/l	830	200	600	2340 C
10	Calcium Hardness as CaCO ₃	mg/l	400	-	-	3500 - Ca B
11	Magnesium Hardness as CaCO ₃	mg/l	430	-	-	3500 - Mg B
12	Calcium as Ca	mg/l	160	75	200	3500 - Ca B
13	Magnesium as Mg	mg/l	103	30	100	3500 - Mg B
14	Phenolphthalein Alkalinity as CaCO ₃	mg/l	Nil	-	-	2320 B
15	Total Alkalinity as CaCO ₃	mg/l	428	200	600	2320 B
16	Chlorides as Cl	mg/l	311	250	1000	4500 Cl B
17	Sulfates as SO ₄	mg/l	130	200	400	4500 SO ₄ ²⁻ E
18	Total Iron as Fe	mg/l	0.18	0.3	0.3	3500 Fe- B
19	Silica (Reactive) as SiO ₂	mg/l	66.0	-	-	IS 3025: P.35:1988
20	Carbonate Hardness as CaCO ₃	mg/l	428	-	-	2340 A
21	Non-Carbonate Hardness as CaCO ₃	mg/l	402	-	-	2340 A
22	Free Residual Chlorine	mg/l	BLQ (LOQ=0.1)	0.2	**1	4500 Cl B

Q= Below Limit of Quantification; LOQ= Limit of Quantification

** To be applicable only when water is chlorinated.

---End of Report---



B. P. Prasad
Authorized Signatory

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TEST REPORT

Sample Ref No. : EES/W/356/10		Report No. : 546/10			
Issued To: M/s.B.S.A.R. Crescent Institute of Science & Technology Vandalur, Chennai-600 048.		Report Date : 30.10.2021 Page: 1 of 1			
Sample Description : Water	Sample Drawn By/ Date : EES / 26.10.2021	Received On : 26.10.2021	Commenced On : 26.10.2021		
Customer's Reference : Letter Dated on 26.10.2021	Sample Mark : Lorry Water	Completed On : 30.10.2021			
Sample Location : Men's Hostel Kandigai					
Sl. No	PARAMETERS	UNITS	RESULTS	Requirement as per IS 10500: 2012 Second revision (Acceptable Limit)	PROTOCOL
MICROBIOLOGICAL EXAMINATION					
1	Total Coliforms	MPN / 100ml	Absent	Shall not be detectable in any100 ml	IS:1622-1981 Amd.4 RA 2012
2	E.coli	MPN / 100ml	Absent	Shall not be detectable in any100 ml	IS:1622-1981 Amd.4 RA 2012
MPN- Most Probable Number					

---End of Report---



Authorized Signatory

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TEST REPORT – ADDITIONAL SHEET

Sample Ref No. : EES/W/356/10

Report No. : 546/10

Report Date : 30.10.2021

Report Opinion: The above submitted water sample does not comply with Permissible limits of drinking water specification as per IS 10500:2012 with respect to Total Hardness & Magnesium. So it is not recommended for drinking purpose.

B. Pragas Kumar
Authorized Signatory

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TEST REPORT

Sample Ref No. : EES/W/352/10				Report No. : 542/10		
Issued To: M/s.B.S.A.R. Crescent Institute of Science & Technology Vandalur, Chennai-600 048.				Report Date : 30.10.2021 Page: 1 of 2		
Sample Description : Water				Received On : 26.10.2021		
Sample Drawn By/ Date : EES / 26.10.2021				Commenced On : 26.10.2021		
Customer's Reference : Letter Dated on 26.10.2021				Completed On : 30.10.2021		
Sample Mark : Well Water						
Sample Location : Main Canteen						
Sl. No	PARAMETERS	UNITS	RESULTS	As Per IS 10500:2012		PROTOCOL: APHA 23 rd Edition 2017
				Requirement (Acceptable limit)	Permissible limit in the absence of alternate source	
Physical Properties						
1	Appearance: When Analyzed After Filtration	-	Slightly Turbid Clear	-	-	-
2	pH value at 25°C	-	7.06	6.5 - 8.5	6.5 - 8.5	4500 H ⁺ B
3	Color	Hazen	10.0	5	15	2120 B
4	Odor	-	Agreeable	Agreeable	Agreeable	IS 3025 P.5 1983
5	Turbidity	NTU	0.20	1	5	2130 B
6	Electrical conductivity at 25°C	Micromhos/cm	1182	-	-	2510 B
Chemical Properties						
7	Total Suspended Solids	mg/l	1.0	-	-	IS:3025: P.17:1984
8	Total Dissolved Solids	mg/l	682	500	2000	IS 3025:P.16:1984

----End of Page 1----



J.B. Pragna Devi
Authorized Signatory

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**TEST REPORT – ADDITIONAL SHEET**

Sample Ref No. : EESW/352/10

Report No. : 542/10
Report Date : 30.10.2021
Page: 2 of 2

Sl. No	PARAMETERS	UNITS	RESULTS	As Per IS 10500:2012		PROTOCOL: APHA 23 rd Edition 2017
				Requirement (Acceptable limit)	Permissible limit in the absence of alternate source	
9	Total Hardness as CaCO ₃	mg/l	348	200	600	2340 C
10	Calcium Hardness as CaCO ₃	mg/l	272	-	-	3500 - Ca B
11	Magnesium Hardness as CaCO ₃	mg/l	76.0	-	-	3500 - Mg B
12	Calcium as Ca	mg/l	109	75	200	3500 - Ca B
13	Magnesium as Mg	mg/l	18.2	30	100	3500 - Mg B
14	Phenolphthalein Alkalinity as CaCO ₃	mg/l	Nil	-	-	2320 B
15	Total Alkalinity as CaCO ₃	mg/l	198	200	600	2320 B
16	Chlorides as Cl	mg/l	155	250	1000	4500 Cl B
17	Sulfates as SO ₄	mg/l	98.0	200	400	4500 SO ₄ ²⁻ E
18	Total Iron as Fe	mg/l	0.08	0.3	0.3	3500 Fe- B
19	Silica (Reactive) as SiO ₂	mg/l	29.0	-	-	IS 3025. P.35:1988
20	Carbonate Hardness as CaCO ₃	mg/l	198	-	-	2340 A
21	Non-Carbonate Hardness as CaCO ₃	mg/l	150	-	-	2340 A
22	Free Residual Chlorine	mg/l	BLQ (LOQ=0.1)	0.2	**1	4500 Cl B

Q= Below Limit of Quantification; LOQ= Limit of Quantification

** To be applicable only when water is chlorinated.

Report Opinion: The above submitted water sample complies with permissible limits of drinking water specification as per IS 10500:2012 with respect to the above tests.

Ref. Decision Rule: EES/QSP/012

-----End of Report-----


Authorized Signatory

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TEST REPORT

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Issued To: M/s.B.S.A.R. Crescent Institute of Science & Technology Vandalur, Chennai-600 048.		Report Date : 30.10.2021 Page: 1 of 1			
Sample Description : Water	Sample Drawn By/ Date : EES / 26.10.2021	Received On : 26.10.2021	Commenced On : 26.10.2021		
Customer's Reference : Letter Dated on 26.10.2021	Sample Mark : Well Water	Completed On : 30.10.2021			
Sample Location : Main Canteen					
Sl. No	PARAMETERS	UNITS	RESULTS	Requirement as per IS 10500: 2012 Second revision (Acceptable Limit)	PROTOCOL
MICROBIOLOGICAL EXAMINATION					
1	Total Coliforms	MPN / 100ml	Absent	Shall not be detectable in any 100 ml	IS:1622-1981 Amd.4 RA 2012
2	E.coli	MPN / 100ml	Absent	Shall not be detectable in any 100 ml	IS:1622-1981 Amd.4 RA 2012
MPN- Most Probable Number					
Report Opinion: The above submitted water sample meets the requirement of drinking water specification as per IS 10500:2012 with respect to the parameters tested.					
Ref. Decision Rule: EES/QSP/012					

---End of Report---



Authorized Signatory

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E-mail : ekdantlab@gmail.com / ekdantfinance19@gmail.com

Web : www.ekdantlab.co.in

TEST REPORT

Sample Ref No. : EES/W/357/10				Report No. : 547/10		
Issued To: M/s.B.S.A.R. Crescent Institute of Science & Technology Vandalur, Chennai-600 048.				Report Date : 30.10.2021 Page: 1 of 2		
Sample Description : Water				Received On : 26.10.2021		
Sample Drawn By/ Date : EES / 26.10.2021				Commenced On : 26.10.2021		
Customer's Reference : Letter Dated on 26.10.2021				Completed On : 30.10.2021		
Sample Mark : Well Water						
Sample Location : Men's Hostel						
Sl. No	PARAMETERS	UNITS	RESULTS	As Per IS 10500:2012		PROTOCOL: APHA 23 rd Edition 2017
				Requirement (Acceptable limit)	Permissible limit in the absence of alternate source	
Physical Properties						
1	Appearance: When Analyzed After Filtration	-	Clear Clear	- -	- -	-
2	pH value at 25°C	-	6.66	6.5 – 8.5	6.5 – 8.5	4500 H ⁺ B
3	Color	Hazen	5.0	5	15	2120 B
4	Odor	-	Agreeable	Agreeable	Agreeable	IS 3025 P.5 1983
5	Turbidity	NTU	BLQ (LOQ=0.1)	1	5	2130 B
6	Electrical conductivity at 25°C	Micromhos/cm	1440	-	-	2510 B
Chemical Properties						
7	Total Suspended Solids	mg/l	BLQ (LOQ=1.0)	-	-	IS:3025: P.17:1984
8	Total Dissolved Solids	mg/l	824	500	2000	IS 3025:P.16:1984

----End of Page 1----



B. Pragasam
Authorized Signatory

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TEST REPORT – ADDITIONAL SHEET

Sample Ref No. : EESW/357/10

Report No. : 547/10

Report Date : 30.10.2021

Page: 2 of 2

Sl. No	PARAMETERS	UNITS	RESULTS	As Per IS 10500:2012		PROTOCOL: APHA 23 rd Edition 2017
				Requirement (Acceptable limit)	Permissible limit in the absence of alternate source	
9	Total Hardness as CaCO ₃	mg/l	464	200	600	2340 C
10	Calcium Hardness as CaCO ₃	mg/l	356	-	-	3500 - Ca B
11	Magnesium Hardness as CaCO ₃	mg/l	108	-	-	3500 - Mg B
12	Calcium as Ca	mg/l	142	75	200	3500 - Ca B
13	Magnesium as Mg	mg/l	26.0	30	100	3500 - Mg B
14	Phenolphthalein Alkalinity as CaCO ₃	mg/l	Nil	-	-	2320 B
15	Total Alkalinity as CaCO ₃	mg/l	261	200	600	2320 B
16	Chlorides as Cl	mg/l	186	250	1000	4500 Cl B
17	Sulfates as SO ₄	mg/l	88.0	200	400	4500 SO ₄ ²⁻ E
18	Total Iron as Fe	mg/l	0.08	0.3	0.3	3500 Fe- B
19	Silica (Reactive) as SiO ₂	mg/l	54.0	-	-	IS 3025: P.35:1988
20	Carbonate Hardness as CaCO ₃	mg/l	261	-	-	2340 A
21	Non-Carbonate Hardness as CaCO ₃	mg/l	203	-	-	2340 A
22	Free Residual Chlorine	mg/l	BLQ (LOQ=0.1)	0.2	**1	4500 Cl B

Q= Below Limit of Quantification; LOQ= Limit of Quantification

** To be applicable only when water is chlorinated.

Report Opinion: The above submitted water sample complies with permissible limits of drinking water specification as per IS 10500:2012 with respect to the above tests.

Ref. Decision Rule: EES/QSP/012

----End of Report----



J. S. Pragasam
Authorized Signatory

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TEST REPORT

Sample Ref No. : EES/W/357/10	Report No. : 547/10
Issued To: M/s.B.S.A.R. Crescent Institute of Science & Technology Vandalur, Chennai-600 048.	Report Date : 30.10.2021 Page: 1 of 1
Sample Description : Water	Received On : 26.10.2021
Sample Drawn By/ Date : EES / 26.10.2021	Commenced On : 26.10.2021
Customer's Reference : Letter Dated on 26.10.2021	Completed On : 30.10.2021
Sample Mark : Well Water	
Sample Location : Men's Hostel	

Sl. No	PARAMETERS	UNITS	RESULTS	Requirement as per IS 10500: 2012 Second revision (Acceptable Limit)	PROTOCOL
MICROBIOLOGICAL EXAMINATION					
1	Total Coliforms	MPN / 100ml	Absent	Shall not be detectable in any 100 ml	IS:1622-1981 Amd.4 RA 2012
2	E.coli	MPN / 100ml	Absent	Shall not be detectable in any 100 ml	IS:1622-1981 Amd.4 RA 2012

MPN- Most Probable Number

Report Opinion: The above submitted water sample meets the requirement of drinking water specification as per IS 10500:2012 with respect to the parameters tested.

Ref. Decision Rule: EES/QSP/012

---End of Report---



Vinaya

Authorized Signatory

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Web : www.ekdantlab.co.in

TEST REPORT

Sample Ref No. : EES/W/351/10	Report No. : 541/10
Issued To: M/s.B.S.A.R. Crescent Institute of Science & Technology Vandalur, Chennai-600 048.	Report Date : 30.10.2021 Page: 1 of 2
Sample Description : Water	Received On : 26.10.2021
Sample Drawn By/ Date : EES / 26.10.2021	Commenced On : 26.10.2021
Customer's Reference : Letter Dated on 26.10.2021	Completed On : 30.10.2021
Sample Mark : Well Water	
Sample Location : Ladies Hostel	

Sl. No	PARAMETERS	UNITS	RESULTS	As Per IS 10500:2012		PROTOCOL: APHA 23 rd Edition 2017
				Requirement (Acceptable limit)	Permissible limit in the absence of alternate source	
Physical Properties						
1	Appearance: When Analyzed After Filtration	-	Clear Clear	-	-	-
2	pH value at 25°C	-	7.08	6.5 – 8.5	6.5 – 8.5	4500 H ⁺ B
3	Color	Hazen	5.0	5	15	2120 B
4	Odor	-	Agreeable	Agreeable	Agreeable	IS 3025 P.5 1983
5	Turbidity	NTU	BLQ (LOQ=0.1)	1	5	2130 B
6	Electrical conductivity at 25°C	Micromhos/cm	1335	-	-	2510 B
Chemical Properties						
7	Total Suspended Solids	mg/l	BLQ (LOQ=1.0)	-	-	IS:3025: P.17:1984
8	Total Dissolved Solids	mg/l	739	500	2000	IS 3025:P.16:1984

---End of Page 1---



B. Pragna Sundi
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**TEST REPORT – ADDITIONAL SHEET**

Sample Ref No. : EES/W/351/10

Report No. : 541/10

Report Date : 30.10.2021

Page: 2 of 2

Sl. No	PARAMETERS	UNITS	RESULTS	As Per IS 10500:2012		PROTOCOL: APHA 23 rd Edition 2017
				Requirement (Acceptable limit)	Permissible limit in the absence of alternate source	
9	Total Hardness as CaCO ₃	mg/l	396	200	600	2340 C
10	Calcium Hardness as CaCO ₃	mg/l	332	-	-	3500 - Ca B
11	Magnesium Hardness as CaCO ₃	mg/l	64.0	-	-	3500 - Mg B
12	Calcium as Ca	mg/l	133	75	200	3500 - Ca B
13	Magnesium as Mg	mg/l	15.30	30	100	3500 - Mg B
14	Phenolphthalein Alkalinity as CaCO ₃	mg/l	Nil	-	-	2320 B
15	Total Alkalinity as CaCO ₃	mg/l	257	200	600	2320 B
16	Chlorides as Cl	mg/l	163	250	1000	4500 Cl ⁻ B
17	Sulfates as SO ₄	mg/l	133	200	400	4500 SO ₄ ²⁻ E
18	Total Iron as Fe	mg/l	0.03	0.3	0.3	3500 Fe- B
19	Silica (Reactive) as SiO ₂	mg/l	64.0	-	-	IS 3025: P.35:1988
20	Carbonate Hardness as CaCO ₃	mg/l	257	-	-	2340 A
21	Non-Carbonate Hardness as CaCO ₃	mg/l	139	-	-	2340 A
22	Free Residual Chlorine	mg/l	BLQ (LOQ=0.1)	0.2	**1	4500 Cl B

Q= Below Limit of Quantification; LOQ= Limit of Quantification

** To be applicable only when water is chlorinated.

Report Opinion: The above submitted water sample complies with permissible limits of drinking water specification as per IS 10500:2012 with respect to the above tests.

Ref. Decision Rule: EES/QSP/012

---End of Report---



B. Pragasam
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TEST REPORT

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Issued To: M/s.B.S.A.R. Crescent Institute of Science & Technology Vandalur, Chennai-600 048.			Report Date : 30.10.2021 Page: 1 of 1		
Sample Description : Water			Received On : 26.10.2021		
Sample Drawn By/ Date : EES / 26.10.2021			Commenced On : 26.10.2021		
Customer's Reference : Letter Dated on 26.10.2021			Completed On : 30.10.2021		
Sample Mark : Well Water					
Sample Location : Ladies Hostel					
Sl. No	PARAMETERS	UNITS	RESULTS	Requirement as per IS 10500: 2012 Second revision (Acceptable Limit)	PROTOCOL
MICROBIOLOGICAL EXAMINATION					
1	Total Coliforms	MPN / 100ml	Absent	Shall not be detectable in any 100 ml	IS:1622-1981 Amd.4 RA 2012
2	E.coli	MPN / 100ml	Absent	Shall not be detectable in any 100 ml	IS:1622-1981 Amd.4 RA 2012
MPN- Most Probable Number					
Report Opinion: The above submitted water sample meets the requirement of drinking water specification as per IS 10500:2012 with respect to the parameters tested.					
Ref. Decision Rule: EES/QSP/012					

---End of Report---



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