PRATHYUSHA ENGINEERING COLLEGE

ESTD. 2001

CRITERIA-7

7.1 Institutional Values and Social Responsibilities

\7.1.4 Water conservation facilities available in the Institution

FACILITIES FOR DISTRIBUTION AND MAINTENANCE OF WATER BODIES

7.1 Institutional Values and Social Responsibilities

7.1.4 Water conservation facilities available in the Institution:

MAINTENANCE OF WATER BODIES AND DISTRIBUTION SYSTEM IN THE CAMPUS

The stored rain water is pumped into storage tanks located at different places in the campus. The water is distributed through well laid pipe network. Drinking water after treating in RO plant is supplied through a separate set of distribution pipes and water for all other purpose is supplied through another set of distribution pipes. Maintenance department ensure that there are no leakages and wastages of precious water through joints, valves etc. Waste usage of water is reduced using low pressure flushes. All the stakeholders of the college are well educated to use the water economically and efficiently.

REVERSE OSMOSIS PLANT

The RO plant is designed for 50% recovery to produce 2000 LPH of permeate water for drinking purpose. Our RO plant capacity is 10000 Ltr. During working days of college 10,000 Ltr of water is used for various purposes. The chemicals like Citric acid and Caustic soda flakes is used for chemical wash. UV light and UV micron filter is used for purification purposes.

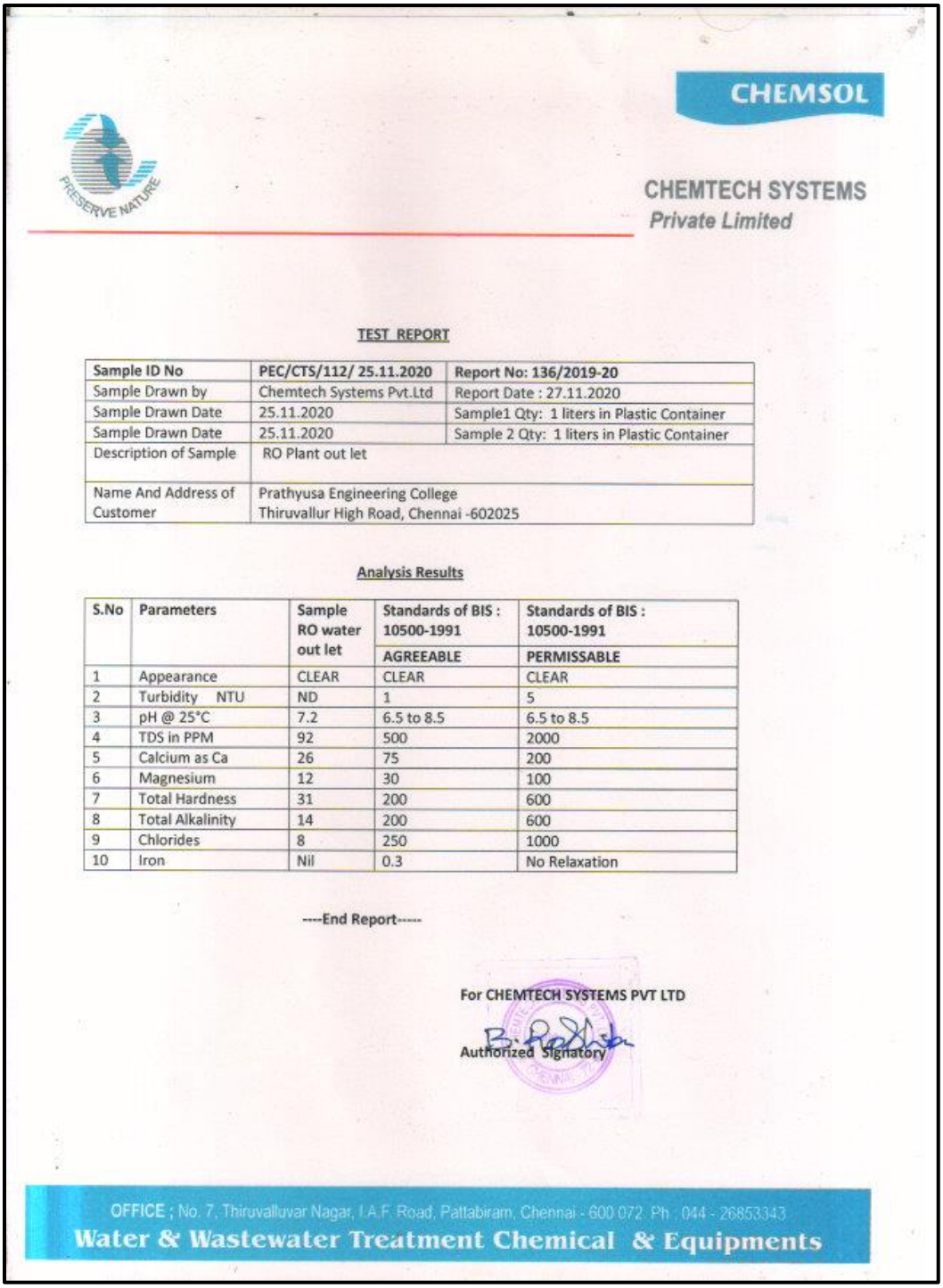
DISTRIBUTION OF DRINKING WATER

DRINKING WATER TANK DETAILS				
S NO	Tank No	Location	Tank Capacity	Units
1	Tank 1	Main Building	2000	Lit
2	Tank 2	ECE Block	1000	Lit
3	Tank 3	Civil & Mech Block	1000	Lit
4	Tank 4	EEE Block	2000	Lit
5	Tank 5	P.G Block	2000	Lit
6	Tank 6	Boys Hostel	2000	Lit

MAINTENANCE OF WATER BODIES IN THE CAMPUS

COOLER DETAILS				
S.NO	Block Name	Cooler NO	Floor	Capacity
1	Main Building	Cooler No 1	Ground Floor	100 lit
2		Cooler No 2	Ground Floor	100 lit
3		Cooler No 3	First Floor	50 lit
4		Cooler No 4	First Floor	50 lit
5		Cooler No 5	Second Floor	50 lit
6		Cooler No 6	Second Floor	50 lit
7		Cooler No 7	Third Floor	50 lit
8		Cooler No 8	Third Floor	50 lit
9	MECH & CVIL Block	Cooler No 9	Ground Floor	50 lit
10		Cooler No 10	First Floor	50 lit
11		Cooler No 11	Second Floor	50 lit
12		Cooler No 12	Third Floor	50 lit
13	ECE Block	Cooler No 13	Ground Floor	50 lit
14		Cooler No 14	First Floor	50 lit
15		Cooler No 15	Second Floor	50 lit
16		Cooler No 16	Third Floor	50 lit
17	P.G Block	Cooler No 17	First Floor	100 lit
18		Cooler No 18	First Floor	50 lit
19		Cooler No 19	Third Floor	100 lit
20		Cooler No 20	Third Floor	50 lit
21	MEGA LAB	Cooler No 21	Ground Floor	50 lit
22	EEE BLOCK	Cooler No 22	First Floor	50 lit
23		Cooler No 23	First Floor	50 lit
24		Cooler No 24	Second Floor	50 lit
25		Cooler No 25	Second Floor	50 lit
26		Cooler No 26	Third Floor	50 lit
27	BOYS HOSTEL 1st Year Side	Cooler No 27	Ground Floor	100 lit
28	BOYS HOSTEL 2nd Year Side	Cooler No 28	Ground Floor	100 lit
29		Cooler No 29	Second Floor	50 lit
30	BOYS HOSTEL 3rd Year Side	Cooler No 30	Ground Floor	100 lit
31		Cooler No 31	Second Floor	50 lit
32	Dining Hall	Cooler No 32	Ground Floor	150 lit
33		Cooler No 33	First Floor	150 lit
34		Cooler No 34	First Floor	150 lit
35	Ladies Hostel	Cooler No 35	Ground Floor	100 lit
36		Cooler No 36	First Floor	50 lit
37		Cooler No 37	Second Floor	50 lit

WATER ANALYSIS REPORT – 2020



CHEMSOL

PRESERVE NATURE

CHEMTECH SYSTEMS
Private Limited

TEST REPORT

Sample ID No	**PEC/CTS/112/ 25.11.2020**	**Report No: 136/2019-20**
Sample Drawn by	Chemtech Systems Pvt.Ltd	Report Date : 27.11.2020
Sample Drawn Date	25.11.2020	Sample1 Qty: 1 liters in Plastic Container
Sample Drawn Date	25.11.2020	Sample 2 Qty: 1 liters in Plastic Container
Description of Sample	RO Plant out let	
Name And Address of Customer	Prathyusa Engineering College Thiruvallur High Road, Chennai -602025	

Analysis Results

S.No	Parameters	Sample RO water out let	Standards of BIS : 10500-1991	Standards of BIS : 10500-1991
			AGREEABLE	PERMISSABLE
1	Appearance	CLEAR	CLEAR	CLEAR
2	Turbidity NTU	ND	1	5
3	pH @ 25°C	7.2	6.5 to 8.5	6.5 to 8.5
4	TDS in PPM	92	500	2000
5	Calcium as Ca	26	75	200
6	Magnesium	12	30	100
7	Total Hardness	31	200	600
8	Total Alkalinity	14	200	600
9	Chlorides	8	250	1000
10	Iron	Nil	0.3	No Relaxation

----End Report-----

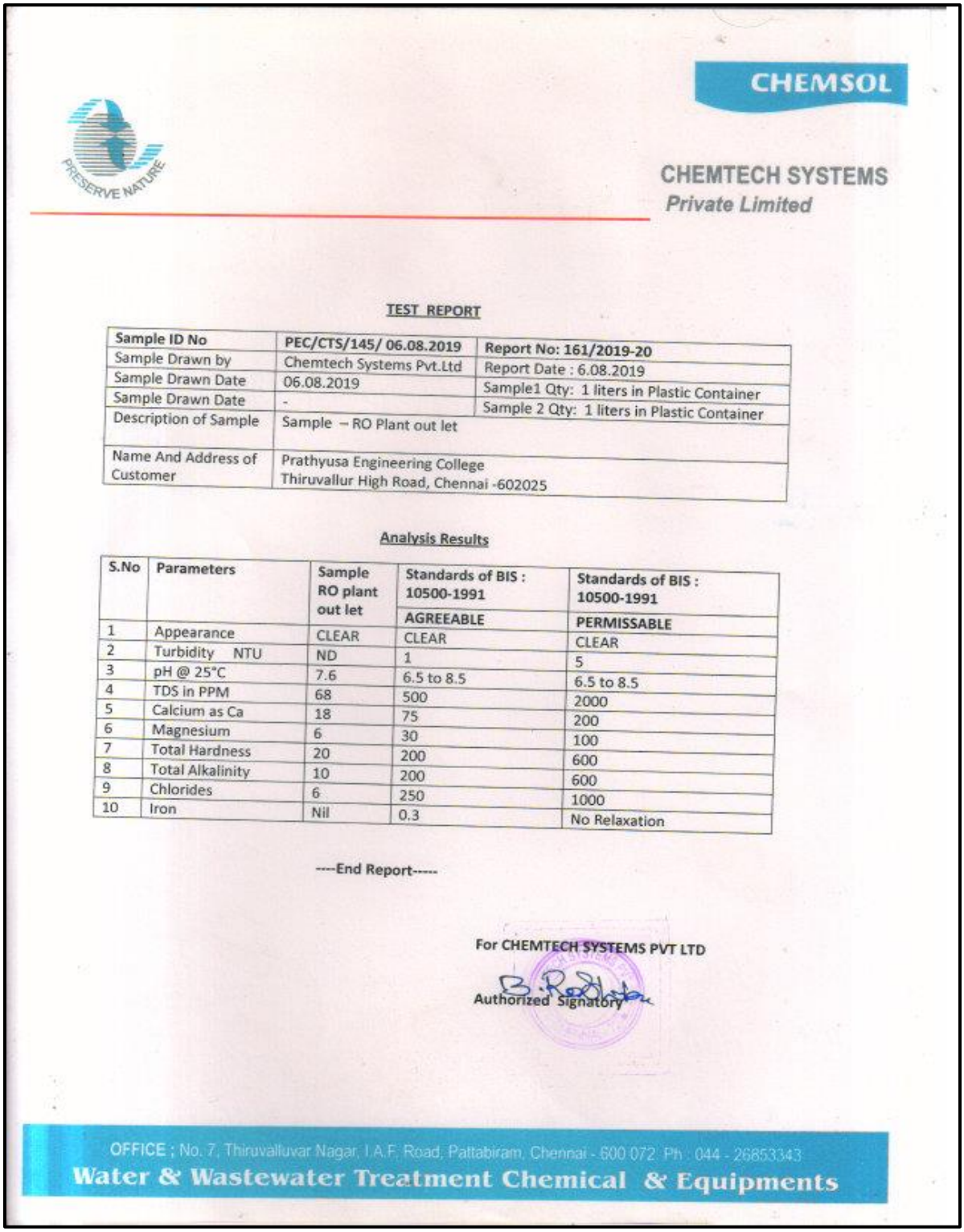
For CHEMTECH SYSTEMS PVT LTD

Authorized Signatory

OFFICE ; No. 7, Thiruvalluvar Nagar, I.A.F. Road, Pattabiram, Chennai - 600 072. Ph : 044 - 26853343

Water & Wastewater Treatment Chemical & Equipments

WATER ANALYSIS REPORT – 2019



CHEMSOL

CHEMTECH SYSTEMS
Private Limited

TEST REPORT

Sample ID No	**PEC/CTS/145/ 06.08.2019**	**Report No: 161/2019-20**
Sample Drawn by	Chemtech Systems Pvt.Ltd	Report Date : 6.08.2019
Sample Drawn Date	06.08.2019	Sample1 Qty: 1 liters in Plastic Container
Sample Drawn Date	-	Sample 2 Qty: 1 liters in Plastic Container
Description of Sample	Sample – RO Plant out let	
Name And Address of Customer	Prathyusa Engineering College Thiruvallur High Road, Chennai -602025	

Analysis Results

S.No	Parameters	Sample RO plant out let	Standards of BIS : 10500-1991	Standards of BIS : 10500-1991
			AGREEABLE	PERMISSABLE
1	Appearance	CLEAR	CLEAR	CLEAR
2	Turbidity NTU	ND	1	5
3	pH @ 25°C	7.6	6.5 to 8.5	6.5 to 8.5
4	TDS in PPM	68	500	2000
5	Calcium as Ca	18	75	200
6	Magnesium	6	30	100
7	Total Hardness	20	200	600
8	Total Alkalinity	10	200	600
9	Chlorides	6	250	1000
10	Iron	Nil	0.3	No Relaxation

----End Report-----

For CHEMTECH SYSTEMS PVT LTD

Authorized Signatory

OFFICE ; No. 7, Thiruvalluvar Nagar, I.A.F. Road, Pattabiram, Chennai - 600 072. Ph : 044 - 26853343

Water & Wastewater Treatment Chemical & Equipments


DISTRIBUTION OF WATER BODIES
PRATHYUSHA ENGINEERING
Prathyusha Engineering College (PEC)
SINDU ENTERPRISES WARE HOUSE
Google
Decimal DMS
Latitude 13.090785 13°5'26" N
Longitude 79.972005 79°58'19" E
2021-01-07(Thu) 12:36(pm)


RO STORAGE TANK
PRATHYUSHA ENGINEERING
Prathyusha Engineering College (PEC)
SINDU ENTERPRISES WARE HOUSE
Google
Decimal DMS
Latitude 13.090476 13°5'25" N
Longitude 79.971874 79°58'18" E
2021-01-07(Thu) 12:53(pm)