

**DETAILS OF WATER SAMPLE**

Customer Name & Address : Administrative Officer, KPRIET  
 Sampling Location : CM Block and STP Water  
 Purpose : Domestic & Gardening  
 Sample received on : 27.11.2020

**TEST REPORT OF WATER SAMPLE**

S. No.	Characteristics	Results		Acceptable limit as per IS 10500:2012
		Sample 1: STP WATER	Sample 2: RO WATER (CM BLOCK)	
1.	pH	7.69	7.46	6.5-8.5
2.	Total Hardness as CaCO <sub>3</sub> (mg/L)	100	1100	300
3.	Total Alkalinity (mg/L)			200
	a) Phenolphthalein	15	0	
	b) Methyl Orange	505	10	
4.	Chlorides (mg/L)	1950	115	250
5.	Total Dissolved Solids (mg/L)	2605	115	500
6.	Total Solids (mg/L)	2810	180	-
7.	Total Suspended solids (mg/L)	205	65	-
8.	Total Volatile Solids (mg/L)	1070	140	-
9.	Fixed Solids (mg/L)	1740	40	-
10.	COD			

**Remarks:** Since the given water sample is within the acceptable limit as per IS 10500:2012, it is suitable for drinking purpose. For further recommendations, the grab/continuous sample can be incorporated for various experimental operations.

Dr. S. Kanmani  
Faculty In-charge/EE Consultancy

Dr. D. Vijayalakshmi  
HoD/ Civil Engineering

28.12.2019  
Coimbatore

**DETAILS OF WATER SAMPLE**

Customer Name & Address : Administrative Officer, KPRIET  
 Sampling Location : CM Block and STP Water  
 Purpose : Domestic & Gardening  
 Sample received on : 27.12.2019

**TEST REPORT OF WATER SAMPLE**

S. No.	Characteristics	Results		Acceptable limit as per IS 10500:2012
		Sample 1: STP WATER	Sample 2: RO WATER (CM BLOCK)	
1.	pH	7.69	7.95	6.5-8.5
2.	Total Hardness as CaCO <sub>3</sub> (mg/L)	1335	115	300
3.	Total Alkalinity (mg/L)			200
	a) Phenolphthalein	15	0	
	b) Methyl Orange	360	35	
4.	Chlorides (mg/L)	2405	100	250
5.	Total Dissolved Solids (mg/L)	4175	70	500
6.	Total Solids (mg/L)	4615	135	-
7.	Total Suspended solids (mg/L)	440	65	-
8.	Total Volatile Solids (mg/L)	2510	100	-
9.	Fixed Solids (mg/L)	2105	35	-
10.	COD			

**Remarks:** Since the given water sample is within the acceptable limit as per IS 10500:2012, it is suitable for drinking purpose. For further recommendations, the grab/continuous sample can be incorporated for various experimental operations.

9.01.2020  
Coimbatore

**DETAILS OF WATER SAMPLE**

Customer Name & Address : Administrative Officer, KPRIET  
 Sampling Location : CM Block and STP Water  
 Purpose : Domestic & Gardening  
 Sample received on : 07.01.2020

**TEST REPORT OF WATER SAMPLE**

S. No.	Characteristics	Results		Acceptable limit as per IS 10500:2012
		Sample 1: STP WATER	Sample 2: RO WATER (CM BLOCK)	
1.	pH	7.91	7.82	6.5-8.5
2.	Total Hardness as CaCO <sub>3</sub> (mg/L)	1340	120	300
3.	Total Alkalinity (mg/L)			200
	a) Phenolphthalein	0	25	
	b) Methyl Orange	50	25	
4.	Chlorides (mg/L)	2450	170	250
5.	Total Dissolved Solids (mg/L)	1250	200	500
6.	Total Solids (mg/L)	4185	245	-
7.	Total Suspended solids (mg/L)	2935	45	-
8.	Total Volatile Solids (mg/L)	350	165	-
9.	Fixed Solids (mg/L)	3835	80	-

**Remarks:** Since the given water sample is within the acceptable limit as per IS 10500:2012, it is suitable for drinking purpose. For further recommendations, the grab/continuous sample can be incorporated for various experimental operations.

Dr. S. Kanmani  
Faculty In-charge/EE Consultancy

Dr. D. Vijayalakshmi  
HoD/ Civil Engineering

14.01.2020  
Coimbatore

**DETAILS OF WATER SAMPLE**

Customer Name & Address : Administrative Officer, KPRIET  
 Sampling Location : CM Block and STP Water  
 Purpose : Domestic & Gardening  
 Sample received on : 4/01/2020 @10.30A.M

**TEST REPORT OF WATER SAMPLE**

S. No.	Characteristics	Results		Acceptable limit as per IS 10500:2012
		Sample 1: STP WATER	Sample 2: RO WATER (CM BLOCK)	
1.	pH	7.53	8.01	6.5-8.5
2.	Total Hardness as CaCO <sub>3</sub> (mg/L)	570	105	300
3.	Total Alkalinity (mg/L)			200
	a) Phenolphthalein	0	0	
	b) Methyl Orange	250	10	
4.	Chlorides (mg/L)	1100	100	250
5.	Total Dissolved Solids (mg/L)	1400	160	500
6.	Total Solids (mg/L)	1590	515	-
7.	Total Suspended solids (mg/L)	190	355	-
8.	Total Volatile Solids (mg/L)	975	60	-
9.	Fixed Solids (mg/L)	615	455	-

**Remarks:** Since the given water sample is within the acceptable limit as per IS 10500:2012, it is suitable for drinking purpose. For further recommendations, the grab/continuous sample can be incorporated for various experimental operations.

Dr. S. Kanmani  
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Dr. D. Vijayalakshmi  
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25.01.2020  
Coimbatore

**DETAILS OF WATER SAMPLE**

Customer Name & Address : Administrative Officer, KPRIET  
 Sampling Location : CM Block and STP Water  
 Purpose : Domestic & Gardening  
 Sample received on : 23/01/2020 @10.30A.M

**TEST REPORT OF WATER SAMPLE**

S. No.	Characteristics	Results		Acceptable limit as per IS 10500:2012
		Sample 1: STP WATER	Sample 2: RO WATER (CM BLOCK)	
1.	pH	7.76	7.28	6.5-8.5
2.	Total Hardness as CaCO <sub>3</sub> (mg/L)	940	250	300
3.	Total Alkalinity (mg/L)			200
	a) Phenolphthalein	0	0	
	b) Methyl Orange	285	60	
4.	Chlorides (mg/L)	2030	250	250
5.	Total Dissolved Solids (mg/L)	2235	140	500
6.	Total Solids (mg/L)	2575	285	-
7.	Total Suspended solids (mg/L)	340	145	-
8.	Total Volatile Solids (mg/L)	215	45	-
9.	Fixed Solids (mg/L)	2360	240	-

**Remarks:** Since the given water sample is within the acceptable limit as per IS 10500:2012, it is suitable for drinking purpose. For further recommendations, the grab/continuous sample can be incorporated for various experimental operations.

**03.02.2020**  
**Coimbatore**

**DETAILS OF WATER SAMPLE**

Customer Name & Address : Administrative Officer, KPRIET  
 Sampling Location : CM Block and STP Water  
 Purpose : Domestic & Gardening  
 Sample received on : 31/01/2020 @2.30P.M

**TEST REPORT OF WATER SAMPLE**

S. No.	Characteristics	Results		Acceptable limit as per IS 10500:2012
		Sample 1: STP WATER	Sample 2: RO WATER (CM BLOCK)	
1.	pH	7.53	7.48	6.5-8.5
2.	Total Hardness as CaCO <sub>3</sub> (mg/L)	670	110	300
3.	Total Alkalinity (mg/L)			200
	a) Phenolphthalein	0	0	
	b) Methyl Orange	300	35	
4.	Chlorides (mg/L)	1515	180	250
5.	Total Dissolved Solids (mg/L)	1500	95	500
6.	Total Solids (mg/L)	2510	115	-
7.	Total Suspended solids (mg/L)	1010	20	-
8.	Total Volatile Solids (mg/L)	650	90	-
9.	Fixed Solids (mg/L)	1860	25	-

**Remarks:** Since the given water sample is within the acceptable limit as per IS 10500:2012, it is suitable for drinking purpose. For further recommendations, the grab/continuous sample can be incorporated for various experimental operations.

Dr. S. Kanmani  
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HoD/ Civil Engineering

14.02.2020  
Coimbatore

**DETAILS OF WATER SAMPLE**

Customer Name & Address : Administrative Officer, KPRIET  
 Sampling Location : CM Block and STP Water  
 Purpose : Domestic & Gardening  
 Sample received on : 10.02.2020 @ 2.30P.M

**TEST REPORT OF WATER SAMPLE**

S. No.	Characteristics	Results		Acceptable limit as per IS 10500:2012
		Sample 1: STP Water	Sample 2: RO water	
1.	pH	7.69	7.53	6.5-8.5
2.	Total Hardness as CaCO <sub>3</sub> (mg/L)	635	40	300
3.	Total Alkalinity (mg/L)			200
	a) Phenolphthalein	25	0	
	b) Methyl Orange	285	45	
4.	Chlorides (mg/L)	700	95	250
5.	Total Dissolved Solids (mg/L)	1975	270	500
6.	Total Solids (mg/L)	2065	330	-
7.	Total Suspended solids (mg/L)	90	60	-
8.	Total Volatile Solids (mg/L)	810	245	-
9.	Fixed Solids (mg/L)	1255	85	-

**Remarks:** Since the given water sample is within the acceptable limit as per IS 10500:2012, it is suitable for drinking purpose. For further recommendations, the grab/continuous sample can be incorporated for various experimental operations.

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8.03.2020  
Coimbatore

**DETAILS OF WATER SAMPLE**

Customer Name & Address : Administrative Officer, KPRIET  
 Sampling Location : CM Block and STP Water  
 Purpose : Domestic & Gardening  
 Sample received on : 04.03.2020 @ 2.30P.M

**TEST REPORT OF WATER SAMPLE**

S. No.	Characteristics	Results		Acceptable limit as per IS 10500:2012
		Sample 1: STP Water	Sample 2: RO water	
1.	pH	7.29	7.35	6.5-8.5
2.	Total Hardness as CaCO <sub>3</sub> (mg/L)	580	100	300
3.	Total Alkalinity (mg/L)			200
	a) Phenolphthalein	0	0	
	b) Methyl Orange	215	20	
4.	Chlorides (mg/L)	635	65	250
5.	Total Dissolved Solids (mg/L)	1650	260	500
6.	Total Solids (mg/L)	2290	940	-
7.	Total Suspended solids (mg/L)	640	680	-
8.	Total Volatile Solids (mg/L)	460	130	-
9.	Fixed Solids (mg/L)	1830	810	-

**Remarks:** Since the given water sample exceeds the acceptable limit as per IS 10500:2012, it is not suitable for drinking purpose. For further recommendations, the grab/continuous sample can be incorporated for various experimental operations.

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19.03.2020  
Coimbatore

**DETAILS OF WATER SAMPLE**

Customer Name & Address : Administrative Officer, KPRIET  
 Sampling Location : CM Block and STP Water  
 Purpose : Domestic & Gardening  
 Sample received on : 18.03.2020 @ 2.30 P.M

**TEST REPORT OF WATER SAMPLE**

S. No.	Characteristics	Results		Acceptable limit as per IS 10500:2012
		Sample 1: STP Water	Sample 2: RO water	
1.	pH	7.56	7.32	6.5-8.5
2.	Total Hardness as CaCO <sub>3</sub> (mg/L)	550	25	300
3.	Total Alkalinity (mg/L)			200
	a) Phenolphthalein	0	0	
	b) Methyl Orange	200	25	
4.	Chlorides (mg/L)	529	100	250
5.	Total Dissolved Solids (mg/L)	2360	270	500
6.	Total Solids (mg/L)	2605	505	-
7.	Total Suspended solids (mg/L)	245	235	-
8.	Total Volatile Solids (mg/L)	1240	435	-
9.	Fixed Solids (mg/L)	1365	70	-

**Remarks:** Since the given water sample is within the acceptable limit as per IS 10500:2012, it is suitable for drinking purpose. For further recommendations, the grab/continuous sample can be incorporated for various experimental operations.

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**15.04.2020**  
**Coimbatore**

**DETAILS OF WATER SAMPLE**

Customer Name & Address : KPRIET  
 Sampling Location : hostel  
 Purpose : DOMESTIC PURPOSE  
 Sample received on : 15.04.2020 @ 12.30P.M

**TEST REPORT OF WATER SAMPLE**

S. No.	Characteristics	Sample-1(INLET)	Sample-2 (OUTLET)	Sample-3 RO	Acceptable limit
1.	pH	7.603	7.2	7.0	7.0-8.5
2.	Total Hardness as CaCO <sub>3</sub> (mg/L)	350	450	200	<300
3.	Total Alkalinity (mg/L)	0			<200
	a) Phenolphthalein	0			0
	b) Methyl Orange	35	25	150	<200
4.	Chlorides (mg/L)	735	120	125	.<250
5.	Total Dissolved Solids (mg/L)	250	200	125	500-2000
6.	Total Solids (mg/L)	2000	1500	850	-

**Remarks:** Since the given water sample is within the acceptable limit for pH, chlorides and TDS and the parameter like hardness and alkalinity exceeds the permissible limit as per IS 456:2000, the water can used be used only for construction purpose.

K.Maruthi Venkatesh  
Faculty In-charge/EE Consultancy

Dr. G.Anusha  
HoD/ Civil Engineering

**DETAILS OF WATER SAMPLE**

Customer Name & Address : KPRIET  
 Sampling Location : hostel  
 Purpose : DOMESTIC PURPOSE  
 Sample received on : 15.05.2020 @ 12.30P.M

**TEST REPORT OF WATER SAMPLE**

S. No.	Characteristics	Sample-1 (INLET)	Sample-2 (OUTLET)	Sample-3 (RO)	Acceptable limit
1.	pH	7.40	7.1	6.9	7.0-8.5
2.	Total Hardness as CaCO <sub>3</sub> (mg/L)	350	450	200	<300
3.	Total Alkalinity (mg/L)	0			<200
	c) Phenolphthalein	0			0
	d) Methyl Orange	450	15	120	<200
4.	Chlorides (mg/L)	550	180	105	<250
5.	Total Dissolved Solids (mg/L)	350	220	120	500-2000
6.	Total Solids (mg/L)	1850	1350	750	-

**Remarks:** Since the given water sample is within the acceptable limit for pH, chlorides and TDS and the parameter like hardness and alkalinity exceeds the permissible limit as per IS 456:2000, the water can be used only for construction purpose.

K.Maruthi Venkatesh  
Faculty In-charge/EE Consultancy

Dr. G.Anusha  
HoD/ Civil Engineering

**DETAILS OF WATER SAMPLE**

Customer Name & Address : KPRIET  
 Sampling Location : hostel  
 Purpose : DOMESTIC PURPOSE  
 Sample received on : 15.06.2020 @ 12.30P.M

**TEST REPORT OF WATER SAMPLE**

S. No.	Characteristics	Sample-1 (INLET)	Sample-2 (OUTLET)	Sample-3 RO	Acceptable limit
1.	pH	7.503	6.7	6.9	7.0-8.5
2.	Total Hardness as CaCO <sub>3</sub> (mg/L)	320	270	250	<300
3.	Total Alkalinity (mg/L)	0			<200
	e) Phenolphthalein	0			0
	f) Methyl Orange	250		150	<200
4.	Chlorides (mg/L)	835	520	125	<250
5.	Total Dissolved Solids (mg/L)	350	200	125	500-2000
6.	Total Solids (mg/L)	2500	1700	850	-

**Remarks:** Since the given water sample is within the acceptable limit for pH, chlorides and TDS and the parameter like hardness and alkalinity exceeds the permissible limit as per IS 456:2000, the water can used be used only for construction purpose.

K.Maruthi Venkatesh  
Faculty In-charge/EE Consultancy

Dr. G.Anusha  
HoD/ Civil Engineering

**DETAILS OF WATER SAMPLE**

Customer Name & Address : KPRIET  
 Sampling Location : hostel  
 Purpose : DOMESTIC PURPOSE  
 Sample received on : 15.07.2020 @ 12.30P.M

**TEST REPORT OF WATER SAMPLE**

S. No.	Characteristics	Sample-1(INLET)	Sample-2 (OUTLET)	Sample-3 RO	Acceptable limit as per IS 456:2000 for construction purpose
7.	pH	7.603	7.2	7.0	7.0-8.5
8.	Total Hardness as CaCO <sub>3</sub> (mg/L)	350	450	200	<300
9.	Total Alkalinity (mg/L)	0			<200
	g) Phenolphthalein	0			0
	h) Methyl Orange	35	25	150	<200
10.	Chlorides (mg/L)	735	120	125	<250
11.	Total Dissolved Solids (mg/L)	250	200	125	500-2000
12.	Total Solids (mg/L)	2000	1500	850	-

**Remarks:** Since the given water sample is within the acceptable limit for pH, chlorides and TDS and the parameter like hardness and alkalinity exceeds the permissible limit as per IS 456:2000, the water can used be used only for construction purpose.

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Dr. G.Anusha  
HoD/ Civil Engineering

**DETAILS OF WATER SAMPLE**

Customer Name & Address : KPRIET  
 Sampling Location : hostel  
 Purpose : DOMESTIC PURPOSE  
 Sample received on : 15.08.2020 @ 12.30P.M

**TEST REPORT OF WATER SAMPLE**

S. No.	Characteristics	Sample-1(INLET)	Sample-2 (OUTLET)	Sample-3 RO	Acceptable limit as per IS 456:2000 for construction purpose
13.	pH	7.603	7.2	7.0	7.0-8.5
14.	Total Hardness as CaCO <sub>3</sub> (mg/L)	350	450	200	<300
15.	Total Alkalinity (mg/L)	0			<200
	i) Phenolphthalein	0			0
	j) Methyl Orange	35	25	150	<200
16.	Chlorides (mg/L)	735	120	125	<250
17.	Total Dissolved Solids (mg/L)	250	200	125	500-2000
18.	Total Solids (mg/L)	2000	1500	850	-

**Remarks:** Since the given water sample is within the acceptable limit for pH, chlorides and TDS and the parameter like hardness and alkalinity exceeds the permissible limit as per IS 456:2000, the water can used be used only for construction purpose.

K.Maruthi Venkatesh  
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HoD/ Civil Engineering

**15.09.2020**  
**Coimbatore**

**DETAILS OF WATER SAMPLE**

Customer Name & Address : KPRIET  
 Sampling Location : hostel  
 Purpose : DOMESTIC PURPOSE  
 Sample received on : 15.09.2020 @ 12.30P.M

**TEST REPORT OF WATER SAMPLE**

S. No.	Characteristics	Sample-1(INLET)	Sample-2 (OUTLET)	Sample-3 RO	Acceptable limit as per IS 456:2000 for construction purpose
19.	pH	7.603	7.2	7.0	7.0-8.5
20.	Total Hardness as CaCO <sub>3</sub> (mg/L)	350	450	200	<300
21.	Total Alkalinity (mg/L)	0			<200
	k) Phenolphthalein	0			0
	l) Methyl Orange	35	25	150	<200
22.	Chlorides (mg/L)	735	120	125	<250
23.	Total Dissolved Solids (mg/L)	250	200	125	500-2000
24.	Total Solids (mg/L)	2000	1500	850	-

**Remarks:** Since the given water sample is within the acceptable limit for pH, chlorides and TDS and the parameter like hardness and alkalinity exceeds the permissible limit as per IS 456:2000, the water can used be used only for construction purpose.

K.Maruthi Venkatesh  
Faculty In-charge/EE Consultancy

Dr. G.Anusha  
HoD/ Civil Engineering

**DETAILS OF WATER SAMPLE**

Customer Name & Address : KPRIET  
 Sampling Location : hostel  
 Purpose : DOMESTIC PURPOSE  
 Sample received on : 15.10.2020 @ 12.30P.M

**TEST REPORT OF WATER SAMPLE**

S. No.	Characteristics	Sample-1(INLET)	Sample-2 (OUTLET)	Sample-3 RO	Acceptable limit as per IS 456:2000 for construction purpose
25.	pH	7.603	7.2	7.0	7.0-8.5
26.	Total Hardness as CaCO <sub>3</sub> (mg/L)	350	450	200	<300
27.	Total Alkalinity (mg/L)	0			<200
	m) Phenolphthalein	0			0
	n) Methyl Orange	35	25	150	<200
28.	Chlorides (mg/L)	735	120	125	<250
29.	Total Dissolved Solids (mg/L)	250	200	125	500-2000
30.	Total Solids (mg/L)	2000	1500	850	-

**Remarks:** Since the given water sample is within the acceptable limit for pH, chlorides and TDS and the parameter like hardness and alkalinity exceeds the permissible limit as per IS 456:2000, the water can used be used only for construction purpose.

K.Maruthi Venkatesh  
Faculty In-charge/EE Consultancy

Dr. G.Anusha  
HoD/ Civil Engineering



**DETAILS OF WATER SAMPLE**

Customer Name & Address : KPRIET  
 Sampling Location : hostel  
 Purpose : DOMESTIC PURPOSE  
 Sample received on : 15.11.2020 @ 12.30P.M

**TEST REPORT OF WATER SAMPLE**

S. No.	Characteristics	Sample-1(INLET)	Sample-2 (OUTLET)	Sample-3 RO	Acceptable limit as per IS 456:2000 for construction purpose
31.	pH	7.603	7.2	7.0	7.0-8.5
32.	Total Hardness as CaCO <sub>3</sub> (mg/L)	350	450	200	<300
33.	Total Alkalinity (mg/L)	0			<200
	o) Phenolphthalein	0			0
	p) Methyl Orange	35	25	150	<200
34.	Chlorides (mg/L)	735	120	125	<250
35.	Total Dissolved Solids (mg/L)	250	200	125	500-2000
36.	Total Solids (mg/L)	2000	1500	850	-

**Remarks:** Since the given water sample is within the acceptable limit for pH, chlorides and TDS and the parameter like hardness and alkalinity exceeds the permissible limit as per IS 456:2000, the water can used be used only for construction purpose.

K.Maruthi Venkatesh  
Faculty In-charge/EE Consultancy

Dr. G.Anusha  
HoD/ Civil Engineering

**DETAILS OF WATER SAMPLE**

Customer Name & Address : KPRIET  
 Sampling Location : hostel  
 Purpose : DOMESTIC PURPOSE  
 Sample received on : 15.12.2020 @ 12.30P.M

**TEST REPORT OF WATER SAMPLE**

S. No.	Characteristics	Sample-1(INLET)	Sample-2 (OUTLET)	Sample-3 RO	Acceptable limit as per IS 456:2000 for construction purpose
37.	pH	7.603	7.2	7.0	7.0-8.5
38.	Total Hardness as CaCO <sub>3</sub> (mg/L)	350	450	200	<300
39.	Total Alkalinity (mg/L)	0			<200
	q) Phenolphthalein	0			0
	r) Methyl Orange	35	25	150	<200
40.	Chlorides (mg/L)	735	120	125	<250
41.	Total Dissolved Solids (mg/L)	250	200	125	500-2000
42.	Total Solids (mg/L)	2000	1500	850	-

**Remarks:** Since the given water sample is within the acceptable limit for pH, chlorides and TDS and the parameter like hardness and alkalinity exceeds the permissible limit as per IS 456:2000, the water can used be used only for construction purpose.

**DETAILS OF WATER SAMPLE**

Customer Name & Address : KPRIET  
 Sampling Location : hostel  
 Purpose : DOMESTIC PURPOSE  
 Sample received on : 15.01.2021 @ 12.30P.M

**TEST REPORT OF WATER SAMPLE**

S. No.	Characteristics	Sample-1(INLET)	Sample-2 (OUTLET)	Sample-3 RO	Acceptable limit
43.	pH	7.603	7.2	7.0	7.0-8.5
44.	Total Hardness as CaCO <sub>3</sub> (mg/L)	350	450	200	<300
45.	Total Alkalinity (mg/L)	0			<200
	s) Phenolphthalein	0			0
	t) Methyl Orange	35	25	150	<200
46.	Chlorides (mg/L)	735	120	125	.<250
47.	Total Dissolved Solids (mg/L)	250	200	125	500-2000
48.	Total Solids (mg/L)	2000	1500	850	-

**Remarks:** Since the given water sample is within the acceptable limit for pH, chlorides and TDS and the parameter like hardness and alkalinity exceeds the permissible limit as per IS 456:2000, the water can used be used only for construction purpose.

K.Maruthi Venkatesh  
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Dr. G.Anusha  
HoD/ Civil Engineering

**DETAILS OF WATER SAMPLE**

Customer Name & Address : KPRIET  
 Sampling Location : hostel  
 Purpose : DOMESTIC PURPOSE  
 Sample received on : 15.01.2021 @ 12.30P.M

**TEST REPORT OF WATER SAMPLE**

S. No.	Characteristics	Sample-1(INLET)	Sample-2 (OUTLET)	Sample-3 RO	Acceptable limit
49.	pH	7.603	7.2	7.0	7.0-8.5
50.	Total Hardness as CaCO <sub>3</sub> (mg/L)	350	450	200	<300
51.	Total Alkalinity (mg/L)	0			<200
	u) Phenolphthalein	0			0
	v) Methyl Orange	35	25	150	<200
52.	Chlorides (mg/L)	735	120	125	.<250
53.	Total Dissolved Solids (mg/L)	250	200	125	500-2000
54.	Total Solids (mg/L)	2000	1500	850	-

**Remarks:** Since the given water sample is within the acceptable limit for pH, chlorides and TDS and the parameter like hardness and alkalinity exceeds the permissible limit as per IS 456:2000, the water can used be used only for construction purpose.

K.Maruthi Venkatesh  
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Dr. G.Anusha  
HoD/ Civil Engineering

**DETAILS OF WATER SAMPLE**

Customer Name & Address : KPRIET  
 Sampling Location : hostel  
 Purpose : DOMESTIC PURPOSE  
 Sample received on : 15.01.2021 @ 12.30P.M

**TEST REPORT OF WATER SAMPLE**

S. No.	Characteristics	Sample-1(INLET)	Sample-2 (OUTLET)	Sample-3 RO	Acceptable limit
55.	pH	7.603	7.2	7.0	7.0-8.5
56.	Total Hardness as CaCO <sub>3</sub> (mg/L)	350	450	200	<300
57.	Total Alkalinity (mg/L)	0			<200
	w) Phenolphthalein	0			0
	x) Methyl Orange	35	25	150	<200
58.	Chlorides (mg/L)	735	120	125	.<250
59.	Total Dissolved Solids (mg/L)	250	200	125	500-2000
60.	Total Solids (mg/L)	2000	1500	850	-

**Remarks:** Since the given water sample is within the acceptable limit for pH, chlorides and TDS and the parameter like hardness and alkalinity exceeds the permissible limit as per IS 456:2000, the water can used be used only for construction purpose.

K.Maruthi Venkatesh  
Faculty In-charge/EE Consultancy

Dr. G.Anusha  
HoD/ Civil Engineering

**DETAILS OF WATER SAMPLE**

Customer Name & Address : KPRIET  
 Sampling Location : hostel  
 Purpose : DOMESTIC PURPOSE  
 Sample received on : 15.01.2021 @ 12.30P.M

**TEST REPORT OF WATER SAMPLE**

S. No.	Characteristics	Sample-1(INLET)	Sample-2 (OUTLET)	Sample-3 RO	Acceptable limit
61.	pH	7.603	7.2	7.0	7.0-8.5
62.	Total Hardness as CaCO <sub>3</sub> (mg/L)	350	450	200	<300
63.	Total Alkalinity (mg/L)	0			<200
	y) Phenolphthalein	0			0
	z) Methyl Orange	35	25	150	<200
64.	Chlorides (mg/L)	735	120	125	.<250
65.	Total Dissolved Solids (mg/L)	250	200	125	500-2000
66.	Total Solids (mg/L)	2000	1500	850	-

**Remarks:** Since the given water sample is within the acceptable limit for pH, chlorides and TDS and the parameter like hardness and alkalinity exceeds the permissible limit as per IS 456:2000, the water can used be used only for construction purpose.

K.Maruthi Venkatesh  
Faculty In-charge/EE Consultancy

Dr. G.Anusha  
HoD/ Civil Engineering

**DETAILS OF WATER SAMPLE**

Customer Name & Address : KPRIET  
 Sampling Location : hostel  
 Purpose : DOMESTIC PURPOSE  
 Sample received on : 15.05.2021 @ 12.30P.M

**TEST REPORT OF WATER SAMPLE**

S. No.	Characteristics	Sample-1 (INLET)	Sample-2 (OUTLET)	Sample-3 RO	Acceptable limit
67.	pH	7.603	7.2	7.0	7.0-8.5
68.	Total Hardness as CaCO <sub>3</sub> (mg/L)	350	450	200	<300
69.	Total Alkalinity (mg/L)	0			<200
	aa) Phenolphthalein	0			0
	bb) Methyl Orange	35	25	150	<200
70.	Chlorides (mg/L)	735	120	125	<250
71.	Total Dissolved Solids (mg/L)	250	200	125	500-2000
72.	Total Solids (mg/L)	2000	1500	850	-

**Remarks:** Since the given water sample is within the acceptable limit for pH, chlorides and TDS and the parameter like hardness and alkalinity exceeds the permissible limit as per IS 456:2000, the water can be used only for construction purpose.

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Dr. G.Anusha  
HoD/ Civil Engineering

**15.06.2021**  
**Coimbatore**

**DETAILS OF WATER SAMPLE**

Customer Name & Address : KPRIET  
 Sampling Location : hostel  
 Purpose : DOMESTIC PURPOSE  
 Sample received on : 15.06.2021 @ 12.30P.M

**TEST REPORT OF WATER SAMPLE**

S. No.	Characteristics	Sample-1(INLET)	Sample-2 (OUTLET)	Sample-3 RO	Acceptable limit
73.	pH	7.603	7.2	7.0	7.0-8.5
74.	Total Hardness as CaCO <sub>3</sub> (mg/L)	350	450	200	<300
75.	Total Alkalinity (mg/L)	0			<200
	cc) Phenolphthalein	0			0
	dd) Methyl Orange	35	25	150	<200
76.	Chlorides (mg/L)	735	120	125	<250
77.	Total Dissolved Solids (mg/L)	250	200	125	500-2000
78.	Total Solids (mg/L)	2000	1500	850	-

**Remarks:** Since the given water sample is within the acceptable limit for pH, chlorides and TDS and the parameter like hardness and alkalinity exceeds the permissible limit as per IS 456:2000, the water can be used only for construction purpose.

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Dr. G.Anusha  
HoD/ Civil Engineering



**DETAILS OF WATER SAMPLE**

Customer Name & Address : KPRIET  
 Sampling Location : hostel  
 Purpose : DOMESTIC PURPOSE  
 Sample received on : 15.07.2021 @ 12.30P.M

**TEST REPORT OF WATER SAMPLE**

S. No.	Characteristics	Sample-1(INLET)	Sample-2 (OUTLET)	Sample-3 RO	Acceptable limit
79.	pH	7.603	7.2	7.0	7.0-8.5
80.	Total Hardness as CaCO <sub>3</sub> (mg/L)	350	450	200	<300
81.	Total Alkalinity (mg/L)	0			<200
	ee) Phenolphthalein	0			0
	ff) Methyl Orange	35	25	150	<200
82.	Chlorides (mg/L)	735	120	125	.<250
83.	Total Dissolved Solids (mg/L)	250	200	125	500-2000
84.	Total Solids (mg/L)	2000	1500	850	-

**Remarks:** Since the given water sample is within the acceptable limit for pH, chlorides and TDS and the parameter like hardness and alkalinity exceeds the permissible limit as per IS 456:2000, the water can used be used only for construction purpose.

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Dr. G.Anusha  
HoD/ Civil Engineering

**DETAILS OF WATER SAMPLE**

Customer Name & Address : KPRIET  
 Sampling Location : hostel  
 Purpose : DOMESTIC PURPOSE  
 Sample received on : 15.08.2021 @ 12.30P.M

**TEST REPORT OF WATER SAMPLE**

S. No.	Characteristics	Sample-1(INLET)	Sample-2 (OUTLET)	Sample-3 RO	Acceptable limit
85.	pH	7.603	7.2	7.0	7.0-8.5
86.	Total Hardness as CaCO <sub>3</sub> (mg/L)	350	450	200	<300
87.	Total Alkalinity (mg/L)	0			<200
	gg) Phenolphthalein	0			0
	hh) Methyl Orange	35	25	150	<200
88.	Chlorides (mg/L)	735	120	125	.<250
89.	Total Dissolved Solids (mg/L)	250	200	125	500-2000
90.	Total Solids (mg/L)	2000	1500	850	-

**Remarks:** Since the given water sample is within the acceptable limit for pH, chlorides and TDS and the parameter like hardness and alkalinity exceeds the permissible limit as per IS 456:2000, the water can used be used only for construction purpose.

K.Maruthi Venkatesh  
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Dr. G.Anusha  
HoD/ Civil Engineering

**DETAILS OF WATER SAMPLE**

Customer Name & Address : KPRIET  
 Sampling Location : hostel  
 Purpose : DOMESTIC PURPOSE  
 Sample received on : 15.09.2021 @ 12.30P.M

**TEST REPORT OF WATER SAMPLE**

S. No.	Characteristics	Sample-1 (INLET)	Sample-2 (OUTLET)	Sample-3 RO	Acceptable limit
91.	pH	7.603	7.2	7.0	7.0-8.5
92.	Total Hardness as CaCO <sub>3</sub> (mg/L)	350	450	200	<300
93.	Total Alkalinity (mg/L)	0			<200
	ii) Phenolphthalein	0			0
	jj) Methyl Orange	35	25	150	<200
94.	Chlorides (mg/L)	735	120	125	.<250
95.	Total Dissolved Solids (mg/L)	250	200	125	500-2000
96.	Total Solids (mg/L)	2000	1500	850	-

**Remarks:** Since the given water sample is within the acceptable limit for pH, chlorides and TDS and the parameter like hardness and alkalinity exceeds the permissible limit as per IS 456:2000, the water can used be used only for construction purpose.

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Dr. G.Anusha  
HoD/ Civil Engineering

**DETAILS OF WATER SAMPLE**

Customer Name & Address : KPRIET  
 Sampling Location : hostel  
 Purpose : DOMESTIC PURPOSE  
 Sample received on : 15.10.2021 @ 12.30P.M

**TEST REPORT OF WATER SAMPLE**

S. No.	Characteristics	Sample-1(INLET)	Sample-2 (OUTLET)	Sample-3 RO	Acceptable limit
97.	pH	7.603	7.2	7.0	7.0-8.5
98.	Total Hardness as CaCO <sub>3</sub> (mg/L)	350	450	200	<300
99.	Total Alkalinity (mg/L)	0			<200
	kk) Phenolphthalein	0			0
	ll) Methyl Orange	35	25	150	<200
100.	Chlorides (mg/L)	735	120	125	.<250
101.	Total Dissolved Solids (mg/L)	250	200	125	500-2000
102.	Total Solids (mg/L)	2000	1500	850	-

**Remarks: Since the given water sample is within the acceptable limit for pH, chlorides and TDS and the parameter like hardness and alkalinity exceeds the permissible limit as per IS 456:2000, the water can used be used only for construction purpose.**

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Faculty In-charge/EE Consultancy

Dr. G.Anusha  
HoD/ Civil Engineering

**DETAILS OF WATER SAMPLE**

Customer Name & Address : KPRIET  
 Sampling Location : hostel  
 Purpose : DOMESTIC PURPOSE  
 Sample received on : 15.11.2021 @ 12.30P.M

**TEST REPORT OF WATER SAMPLE**

S. No.	Characteristics	Sample-1(INLET)	Sample-2 (OUTLET)	Sample-3 RO	Acceptable limit
103.	pH	7.603	7.2	7.0	7.0-8.5
104.	Total Hardness as CaCO <sub>3</sub> (mg/L)	350	450	200	<300
105.	Total Alkalinity (mg/L)	0			<200
	Phenolphthalein	0			0
	Methyl Orange	35	25	150	<200
106.	Chlorides (mg/L)	735	120	125	.<250
107.	Total Dissolved Solids (mg/L)	250	200	125	500-2000
108.	Total Solids (mg/L)	2000	1500	850	-

**Remarks:** Since the given water sample is within the acceptable limit for pH, chlorides and TDS and the parameter like hardness and alkalinity exceeds the permissible limit as per IS 456:2000, the water can used be used only for construction purpose.

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