

Water Technology (Guj.) Pvt. Ltd

GSTIN 24AAECR3013M1ZJ

MUMBAI OFFICE: 116-D, Govt. Industrial Estate, Charkop, Kandiwali (West), Mumbai - 400067,

Maharashtra.

Cell: <u>+91 73595 95577</u> E-mail: <u>inquiry@rajwater.com</u>

info@rajwater.com

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Website : www.rajwater.com

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As per BIS 14543 Standard Approval Complete Lab List

ANNEXURE 1 LIST OF EQUIPMENTS

Sr. No.	Test equipment's/Chemicals And Identification numbers (Where Applicable)	Least Count and Range (Where Applicable)	Remarks (Indicate number of Equipment's)
1	Autoclave Vertical Complete with pressure gauge, Safety Valve, Stream Release Valve Size 30 X 30 cm Make :lab tech	Range: 0 to 4.0. kg/ cm ² Or 0 to 30 PSI L.C- 0.05 kg/cm ² Or 1 PSI	One
2	Hot air oven size 12" X 12" X 12" made of MS with Thermostat control Make :lab tech	Temp 0 to 250 ° C L.C: 2.0 ° C	One
3	BOD Incubator 20 ° C (With Digital Temp. Controller) Size 14X14X14 Make: lab tech	Temp 0 to 50 ° C L.C: 0.1 ° C	one
4	BOD Incubator 25 ° C (With Digital Temp. Controller) Size 12" Make: lab tech	Temp 0 to 50 ° C L.C: 0.1 ° C	one
5	Incubator Digital temp 44°C bacteriological size 14" X 14" X 14" inner chamber of SS outer of MS with thermostat (Thermostatically controlled With Thermometer) Make :lab tech		one
6	Incubator Digita temp 37°C bacteriological size 14" X 14" X 14" inner chamber of SS outer of MS with thermostat (Thermostatically controlled With Thermometer) Make: lab tech		one
7	Gas Burner	-	One
8	Water bath (With glass Thermometer) inner chamber of SS, outer of SS 6 holes of 3" with Digital control complete SS Make: lab tech	Range: 0 to 110° C LC : 1.0° C	One
9	Laminar air flow	1.5 feet UV Tube	One
10	Hot plate	Range: 0 to 100 ° C L.C- 1 ° C	One

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11	pH meter digital Make :INSIF INDIA	0-14 pH, LC- 0.01 pH	One
12	spectrophotometer Digital resolution 1 nm Make : INSIF INDIA	360 to 960 nm LC- 1 nm % t, 0.001 ABS, 0.001 Cons	One
13	Turbidity counter digital Make: INSIF INDIA	0 to 1000 NTU LC :_0.1 NTU	One
14	Colony counter digital Make : chemi line	Range :0 to 999 Count L.C- 1 Count	One
15	S.S. Filter holder assembly	47 mm	One
16	Microscope Binocular	10 X, 15X,	One
17	Magnetic stirrer with hot plate	Cap : 1 Litre Range : 0 to 100% L.C- 1 %	One
18	Centrifuge	4 X15 ml	One
19	Single pan balance Make :U-MAX	0 to 200 gm L.C : 0.1 gm	One
20	High pressure vacuum pump :	1/4 HP motor 50 lit per minute	One
21	Gas stripping apparatus Borosilicate glass with fuming hood & Air flow pump	1 litre	One
22	Flow meter	Range: 0 to 100 LPH L.C: 5 LPH	
23	Heating mentals Make :	2 litre range: 0 to 100% L.C- 1 %	One
24	Florescent Inspection Screen	UV Light 9" long	One
24	Carbon Column	150 mm 250 ml	one
25	Distillation Assembly	2 Ltr / Hr	one

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ANNEXURE 2 LIST OF Chemical

Sr. No.	Chemicals and its grade (Where Applicable)	Pack		
01	Activated charcoal	100gm		
02	Acetic acid	500ml		
03	Aluminum oxide	100gm		
04	Aluminum potassium sulphate Ar	100gm		
05	Ammonium Acetate	100gm		
06	Ammonium Carbonate	100gm		
07	Ammonium Di chromate	100gm		
80	Ammonium Ferrous sulphate	100gm		
09	Ammonium metavandate	5gm		
10	Ammonium perpurata AR	5gm		
11	Di Ammonium Hydrogen orthophosphate	100gm		
12	Ammonium Thiocyanate	100gm		
13	Ammonia solution	500ml		
14	Antimony metal powder	25gm		
15	Ascorbic acid	25gm		
16	Barium chloride	100gm		
17	Barium Hydroxide	100gm		
18	Bromo cresol green	100ml		
19	Boric Acid	100gm		
20	Buffer tablet P.H.4.0	P.H.4.0		
21	Buffer tablet P.H.7.0	P.H.7.0		
22	Calcium Carbonate	100gm		
23	Calcium Hydroxide	100gm		
24	Chromotropic acid	5gm		
25	Citric Acid	100gm		
26	Cupric sulphate	100gm		
27	Chloroform	500ml		
28	Cobait chloride	25gm		
29	Copper metal powder	25gm		
30	Cyclohexanone	500ml		
31	EDTA Di Sodium solt	100gm		
32	Di ethylene glycol monobutyl ether	500ml		
33	Di (2 ethyl hexyl) sulphosuccinate	25gm		
34	Dodecyl benjene sulphonic acid	100gm		
35	Eriochrome Black T	25gm		
36	Eriochrome cyanine R AR	5gm		
37	Ethylene glycol	500ml		
38	Ethyl acetate	500ml		
39	Ferric Chloride	100gm		
40	Ferric Citrate	100gm		

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Sr. No.	Chemicals and its grade (Where Applicable)	Pack
41	Formaidehyde	500ml
42	Gelatin	100gm
43	Glycerine	500ml
44	Hexamine	100gm
45	Hydrochloric acid	500ml
46	Hydrogen peroxide 30%	250ml
47	Hydroxylamine hydrochloride	25g m
48	Di iso propyl ether	100ml
49	Hydrazine sulphate	100gm
50	Iso propyl alcohol	500ml
51	Manganase Sulphate	100gm
52	Methanol	500ml
53	Mercuric chloride	2 gm
54	Methylene blue	100ml
55	Methyl Orange	100ml
56	Methyl Red	100ml
57	Nitric acid LR	500ml
58	NED Di hydrochloride	5 gm
59	Neocuprine AR	1gm
60	N,N,Di methyl P-Phenylene Di amine oxalate AR	2gm
61	Orthophosporic acid	250ml
62	Patton & Readers	5 gm
63	1,10 phenanphroline	5 gm
64	Phenoptheline	100ml
65	Potassium Hydrogen sulphate	100gm
66	Potassium chloride AR	100gm
67	Potassium Chomate	100gm
68	Potassium Dichromate	100gm
69	Potassium lodide	25gm
70	Potassium ferricyanide	100gm
71	Potassium chloroplatinate	100ml
72	Potassium di hydrogen phosphate	100ml
73	Di potassium hydrogen phosphate	100gm
74	Potassium hydroxide	100gm
75	Potassium meta periodate	25gm
76	Potassium nitrate	100gm
77	Potassium permanganate	100gm
78	Silica gel blue	100gm
79	Silver nitrate	5 gm
80	Sodium Acetate	100gm

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Sr. No.	Chemicals and its grade (Where Applicable)	Pack
81	Sodium arsenite	5gm
82	Sodium ascorbate	25gm
83	Sodium bi carbonate	100gm
84	Sodium carbonate	100gm
85	Sodium chloride	100gm
86	Sodium citrate	100gm
87	Sodium hydroxide	100gm
88	Sodium hypochloride	500ml
89	Sodium nitrate	100gm
90	Sodium nitrite	100gm
91	Sodium oxalate	100gm
92	Sodium sulphate	100gm
93	Sodium sulphite	100gm
94	Sodium thiosulphate	100gm
95	Sulphur dioxide solution	100m
96	Sulphuric acid AR	500m
97	Sulphanilamide	25gm
98	Starch	100gm
99	Triethanolamine	500m
100	Urea	100gm
101	Zinc acetate	100gm
102	Zinc sulphate	100gm
103	Zinc amalgamated	10gm
104	Zinc dust AR	25gm
105	Zincon AR	1gm

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Microbiology Media

	B1	1400
1.	Plate count agar	100gm
2.	Asparagine (DL) proline (L) broth	100gm
3.	Differential clostridium reinforce broth	100gm
4.	EMB agar	100gm
5.	chloramphenicol Subouroud Agar	100gm
6.	MacKonkey's agar	100 gm
7.	Lactose TTC agar with sodium	100 gm
	heptadecylsulphat (lactose,peotone,yeast	
	extract,meat extract,bromothymol	
	blue,agar:2,3,5,triphenyltrazolium chloride	
	(TTC), sodium heptadecylsulphat (tergistoal-7)	
8.	Tryptophan broth (tryptic digest of casine, L-	100gm
	tryptophan,sodium chloride)	
9.	Tryptone soy agar (TSA)-(tryptic digest of	100 gm
	casine, soy peptone, NaCL, agar)	
10.	Tryptone bile agar (TBA)	100 gm
11.	Oxidase reagent (tetramethyl-p- phenylene	1 GM
	diamine hydrochloride)	

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ANNEXURE 3

CIASS WARE-1

GLASS WARE-1			
Sr. No.	Description	Liter / ML	Qty.
1	Nesseler Cylinder	50 ML	5
2	Standard Volumetric Flask	10 ML	4
		50 ML	4
		100 ML	4
		250 ML	2
		500 ML	2
		1000 ML	1
3	Graduated Pipette	1 ML	1
		2 ML	1
		5 ML	1
		10 ML	1
		25 ML	1
4	Separating Funnel	125 ML	1
		500 ML	1
5	Conical Flask	250 ML	8
		500 ML	2
6	Beaker (Glass)	50 ML	3
		100 ML	3
		250 ML	3
		500 ML	3
7	Petri Dish		20 Pair
8	Screw Cap Bottle	30 ML	4
		100 ML	4
		250 ML	2
9	lodine Flask	100 ML	1
10	Filtration Flask	1000 ML	1
11	Carbon Column	1 Feet	1
12	Wide Mouth Bottle	1000 ML	1

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ANNEXURE 4

GLASS WARE-2

Sr. No.	Description	Liter / ML	Qty.
1	Beaker (Plastic)	50 ML	2
		100 ML	2
		250 ML	2
		500 ML	2
2	Wash Bottle	250 ML	2
3	Burette Stand		1
4	Separating Funnel Stand		1
5	Funnel		2
6	Stand for Nesseler Cylinder		1
7	Pipette Stand		1
8	Measuring Cylinder	50 ML	1
		100 ML	2
9	Spatula	150 MM	1
10	Reagent Bottle (Plastic)	250 ML	24
		500 ML	12
11	Glass Slide		1
12	Burner		2
13	Inoculation loop		1
14	Pipette Bulb	Small	1
		Medium	1
		Large	1
15	Tissue Paper		1
16	Cotton		1
17	Desiccator		1

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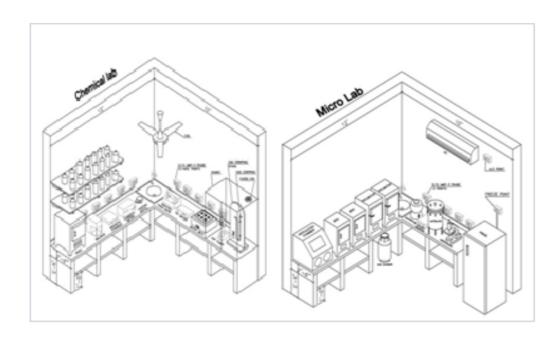
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Additional Arrangements to be done By Client:

- 1. Ac. in Microbiology Lab.
- 2. LPG gas Cylinder with Regulator and tuning for Micro Lab.
- 3. Washing Powder and Liquid soap in both labs.
- 4. Ventilation fan in Chem. lab.
- 5. Gas Stripping app chamber- 1.5 'depth, 2' width, 3 ' height
- 6. Electric plugs: 10 in Chem. lab and 11 in Microbial Lab.
- 7. Height of platform: 3feet, 2.5 to 2.8 feet out
- 8. Geezer, Mask, Hand Gloves & Apron of Workers
- 9. First Aid Box for 10 Persons Insect Killer for two sites.
- 10.14543 ISI testing standard.
- 11. Refrigerator Videocon 100 liter (1-nos.).

Extra Additional to be done By Client Amount Rs/-:

- 123000/- -BIS License Fees Yearly.
- 12000/- -Row water taste report.
- 9440/- -BIS application Fees.
- 10000/- -BARC report.
- 50000/- -Sample testing fees(jar, bottle, cup).
- 12000/- -ISI standard 14543 book.
- 25000/- to 50000/- -BIS officer.
- 25000/- For BIS File Work

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